

University of Stuttgart
Germany



Analytische Qualitätssicherung Baden-Württemberg

Proficiency Test 7/20

- TW O1 – pesticides with GC/MS and HPLC/UV
in drinking water -

atrazin, desethylatrazine, metribuzin, tebuconazole,
terbuthylazine, bromacil, diuron, ethofumesate, flufenacet,
hexazinone, isoproturon, metalaxyl, metamitron,
methabenzthiazuron, dichlorbenzamide,
desethylterbutylazin, metolachlor

Final report

provided by

AQS Baden-Württemberg at

Institute for Sanitary Engineering, Water Quality and Solid Waste Management,
University of Stuttgart

Bandtäle 2, 70569 Stuttgart-Büsnau, Germany



on behalf of the Ministry of Rural Affairs and
Consumer Protection Baden-Württemberg

Stuttgart, in April 2021

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Version of the report	1	

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1. General

This PT was provided in the context of the AQS Baden-Württemberg drinking water PT scheme. In this round atrazine, desethylatrazine, metribuzin, tebuconazole, terbuthylazine, bromacil, diuron, ethofumesate, flufenacet, hexazinone, isoproturon, metalaxyl, metamidron, methabenzthiazuron, dichlorbenzamide, desethylterbutylazin, metolachlor were to be determined.

The PT was executed according to the recommendations of the German Federal Environment Agency from December 2003. These recommendations “for the execution of PTs for the measurement of chemical parameter and indicator parameter for the external quality control of drinking water laboratories” (Bundesgesundheitsblatt 46 12, 1094-1095) require, that drinking water laboratories must demonstrate their competence for all parameters they are accredited for or they want to be accredited for by a successful participation in a PT round within a cycle of 2-3 years.

The PT was executed and evaluated according to the requirements of DIN 38402-A45 and ISO/TS 20612.

2. PT design

Each participant received the following samples:

- 3 samples for the determination of atrazine, desethylatrazine, metribuzin, tebuconazole, terbuthylazine, bromacil, diuron, ethofumesate, flufenacet, hexazinone, isoproturon, metalaxyl, metamidron, methabenzthiazuron, dichlorbenzamide, desethylterbutylazin, metolachlor in 1000-ml-glass bottles with screw cap. 40 mg/l sodium azide were added to the samples.

6 different concentration levels/batches were produced. The concentration levels were randomly allocated to the participants. It was ensured that each participant received one concentration level from the lower concentration range (level 1–2).

3. Sample preparation

The samples for the determination of the pesticides were based on a real drinking water matrix. The samples for the determination of the pesticides contained ca. 0,1 µl/l acetonitrile as solvent.

The drinking water was filtered by using 5 µm and 1 µm filter cartridges to eliminate particles. To reduce germs, the drinking water was pasteurised at 80°C in a stainless steel vessel overnight. During pasteurisation, the drinking water was aerated with a mixture composed of carbon dioxide and nitrogen to prevent calcium carbonate precipitation.

The drinking water was spiked with stock solutions and the concentrations covered drinking and ground water relevant ranges.

The samples were cooled directly after preparation and were dispatched with freezer packs.

4. Sample distribution

The samples were dispatched on 16 November 2020 by express service “GoExpress”.

5. Analytical methods

The participants were free to choose a suitable method, but a limit of quantification of 0,04 µg/l was required for all parameters.

The participants were informed that the samples had to be analysed in the own laboratory, with own personal and own equipment. Subcontracting of the analysis was not allowed.

The samples had to be analysed in duplicate over the complete method (sample preparation and measurement). The participants were asked to report the results in µg/l with three significant digits.

6. Submission of the results

The deadline for the submission of results was on 04 December 2020. No results were accepted after the deadline.

7. Basic principle of evaluation and assessment

The basic principle of the evaluation and assessment of the PTs from AQS Baden-Württemberg are described in the document „Evaluation of the PTs and information for the report“, which can be downloaded from www.aqsbw.de/pdf/ausw_berichte_v1_en.pdf.

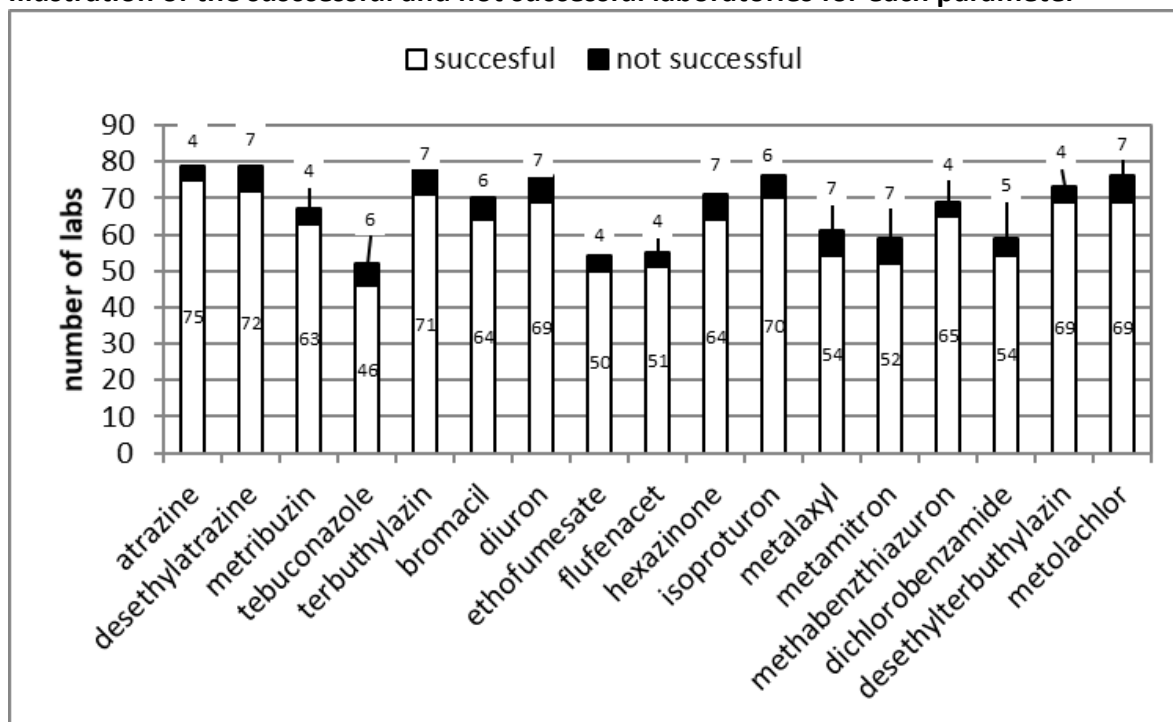
This PT was evaluated as follows:

Assigned value x_{pt}:	<u>Reference value:</u> All parameter						
Standard deviation for proficiency assessment σ_{pt}:	Q method Variance function						
Upper limit of σ_{pt}:	25 %						
Lower limit of σ_{pt}:	5 %						
Assessment:	z_U -Score						
Classification of the single results:	<table> <tr> <td>$z_u \leq 2,0$</td> <td>successful</td> </tr> <tr> <td>$2,0 < z_u < 3,0$</td> <td>questionable</td> </tr> <tr> <td>$z_u \geq 3,0$</td> <td>unsatisfactory</td> </tr> </table>	$ z_u \leq 2,0$	successful	$2,0 < z_u < 3,0$	questionable	$ z_u \geq 3,0$	unsatisfactory
$ z_u \leq 2,0$	successful						
$2,0 < z_u < 3,0$	questionable						
$ z_u \geq 3,0$	unsatisfactory						
Parameter assessment:	A parameter was assessed as successful, if more than half of the values were correctly determined (2 out of 3 values are within the tolerance limits).						

8. Evaluation

Number of participants:	84
Number of reported values	3462
Number of accepted values:	3102 (89,60 %)

Illustration of the successful and not successful laboratories for each parameter



9. Explanation for the appendices

The explanations for the appendices can be found in the document „Evaluation of the PTs and information for the report“, which can be downloaded from www.agsbw.de/pdf/ausw_berichte_v1_en.pdf.

10. Measurement uncertainty

General:

Number of labs with valid values	81
Number of labs with valid values and reported measurement uncertainties	45 (55,6 %)
Number of valid values	3462
Number of valid values with measurement uncertainties	1914 (55,3 %)

Measurement uncertainties against the accreditation status

Accreditation status of the values	Number of values	Number of values with measurement uncertainty
accredited	2991	1767 (59,08 %)
not accredited	114	54 (47,37 %)
not specified	357	93 (26,05 %)

Interpretation of the reported measurement uncertainties:

If measurement uncertainties are underestimated values assessed as “satisfactory” in the PT ($|z_U| \leq 2$), will have a large ζ -score. $|\zeta| > 2$ means that the “own” requirements (defined in terms of estimated uncertainty) are not fulfilled.

Number of values with reported measurement uncertainty having a $z_U \leq 2,0$	1692
Number of values with a magnitude of ζ-scores > 2 The own requirements of the laboratory are not fulfilled and the estimation of the measurement uncertainty is too low	290 (17,1 %)

11. Traceable reference values

The explanations about traceable reference values can be found in the document „Evaluation of the PTs and information for the report“, which can be downloaded from www.aqsbw.de/pdf/ausw_berichte_v1_en.pdf

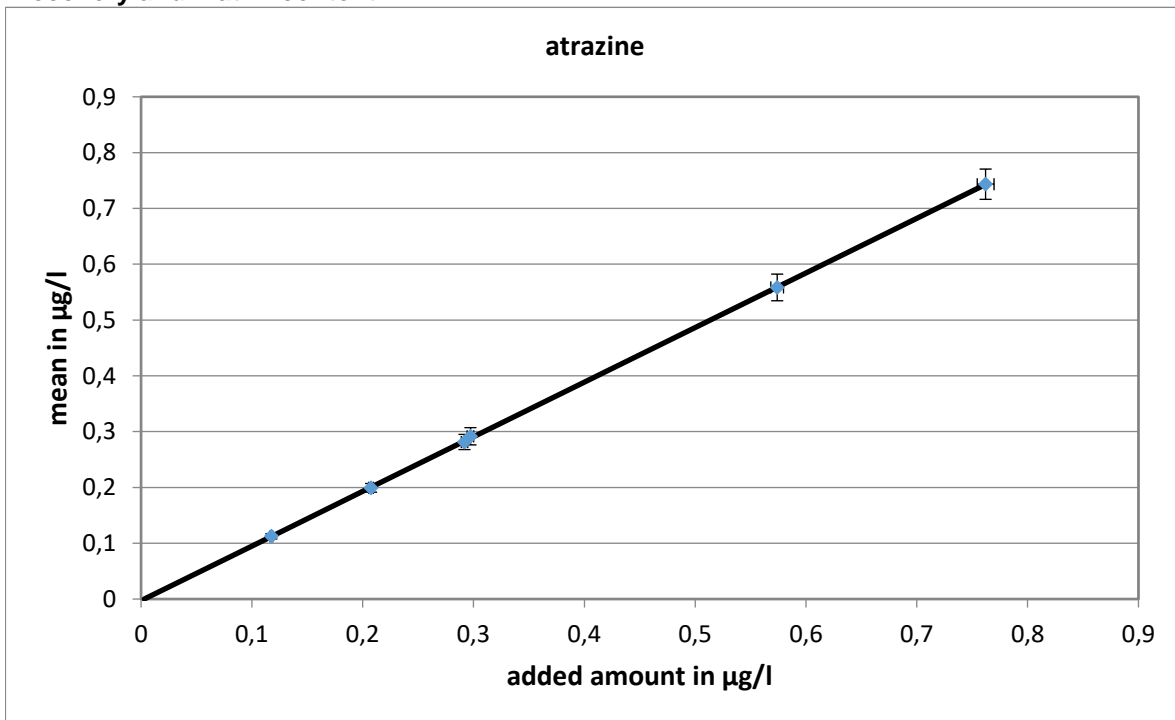
12. Internet

The report is available on the following webpage: www.aqsbw/pdf/233/report_233.pdf

atrazine

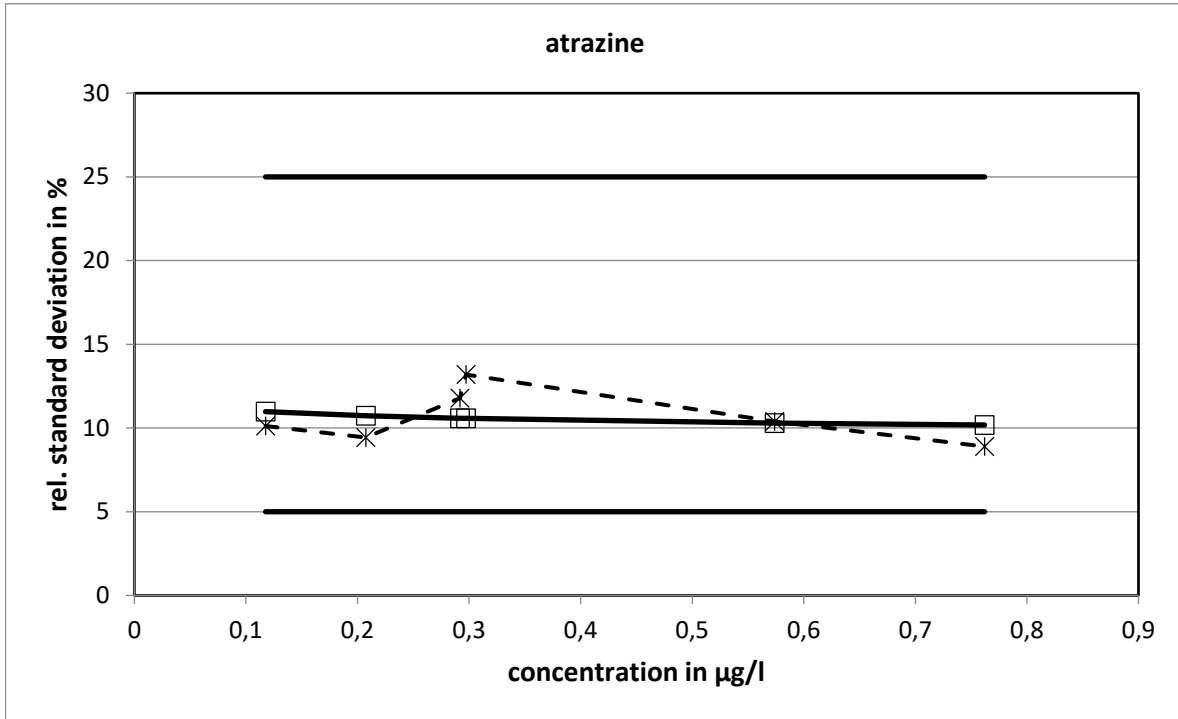
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1176	2,67	0,0119	0,0129	0,0129	10,98	0,1450	0,0931	23,36	-20,84	39	2	1	7,7
2	0,2075	1,72	0,0196	0,0223	0,0223	10,73	0,2548	0,1652	22,79	-20,40	40	1	2	7,5
3	0,2919	1,41	0,0344	0,0309	0,0309	10,58	0,3574	0,2331	22,45	-20,13	40	3	1	10,0
4	0,2972	1,39	0,0392	0,0314	0,0314	10,58	0,3639	0,2374	22,43	-20,12	40	1	3	10,0
5	0,5740	1,11	0,0597	0,0591	0,0591	10,30	0,6991	0,4614	21,80	-19,62	39	3	1	10,3
6	0,7621	1,06	0,0678	0,0776	0,0776	10,18	0,9262	0,6142	21,53	-19,41	39	0	1	2,6
sum											237	10	9	8,0

Recovery and matrix content

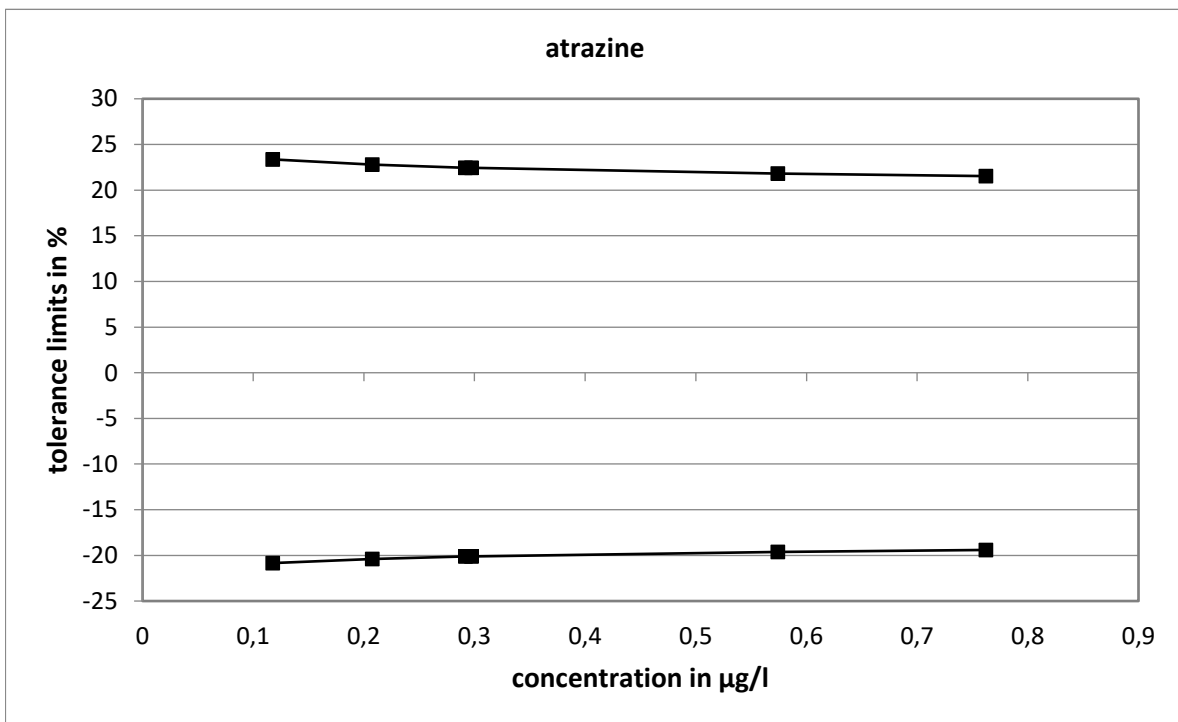


slope of the regression: 0,979; recovery rate: 97,9 %
 neg. x-axis intercept = matrix content: 0 µg/l
 expanded uncertainty of the matrix content: 0,003 µg/l = 0 %

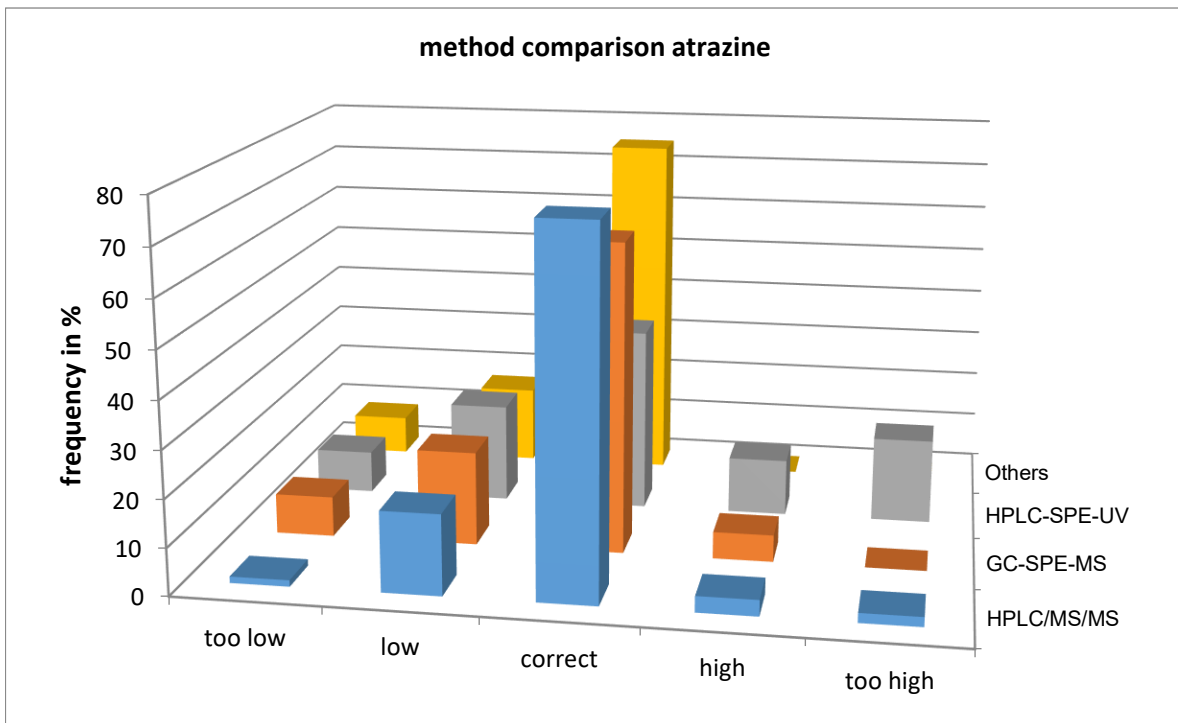
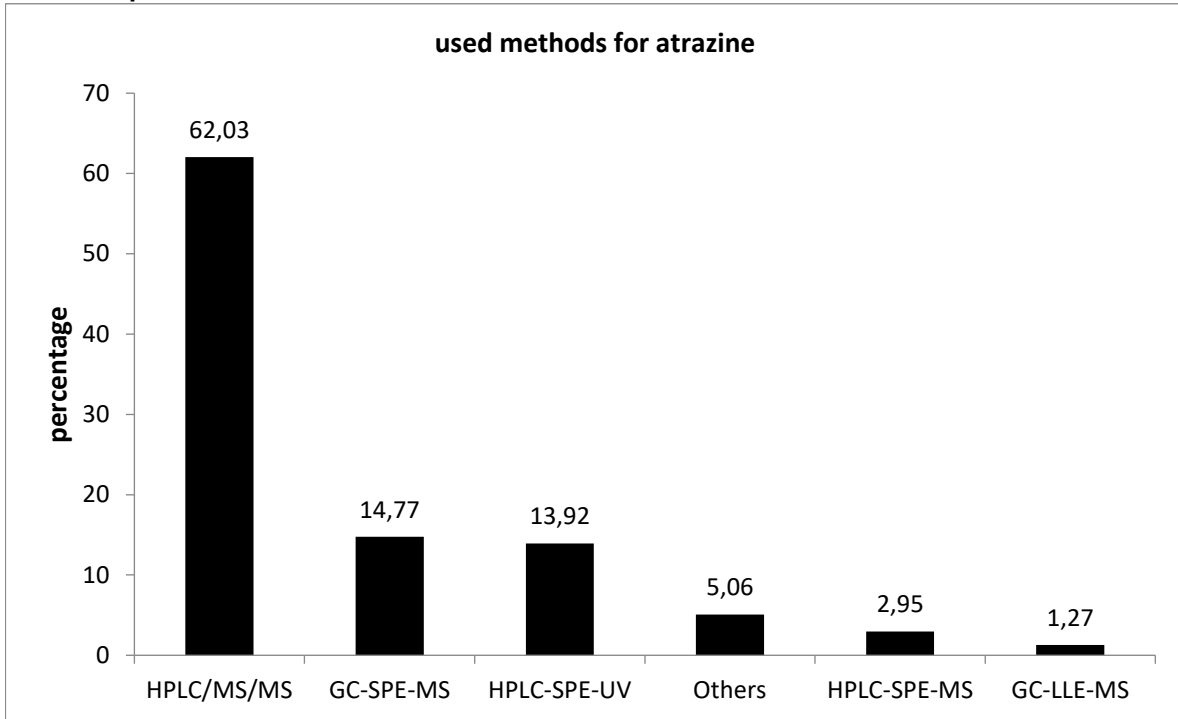
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



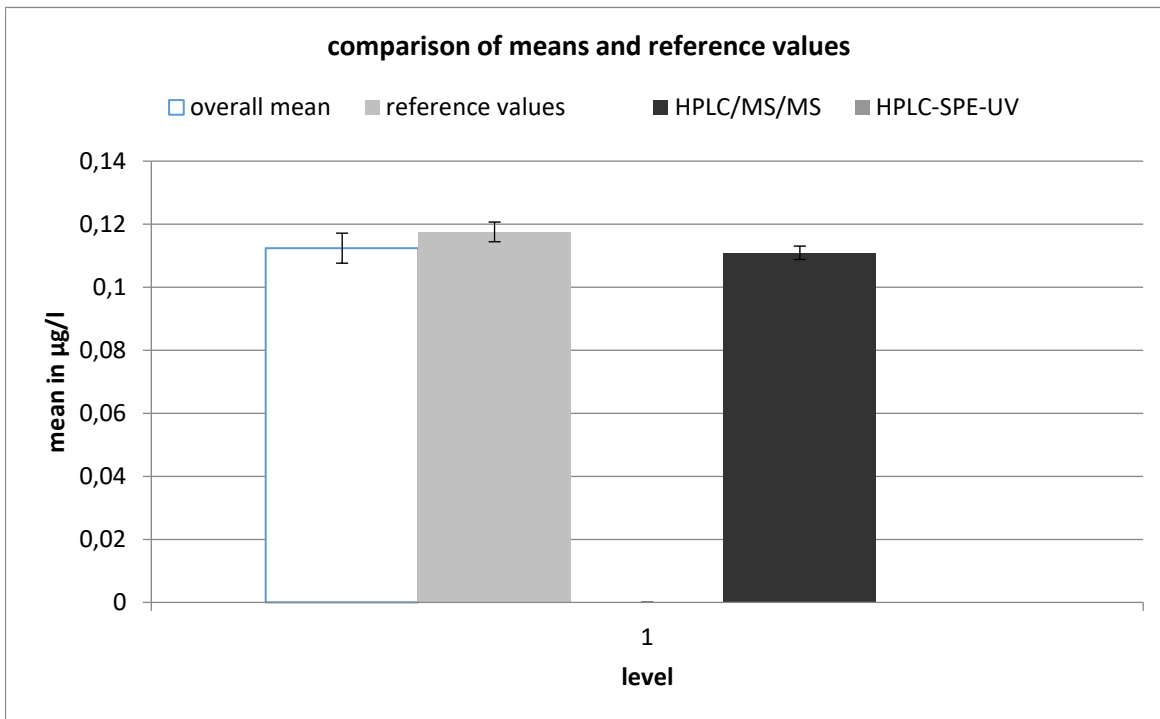
Method specific evaluation

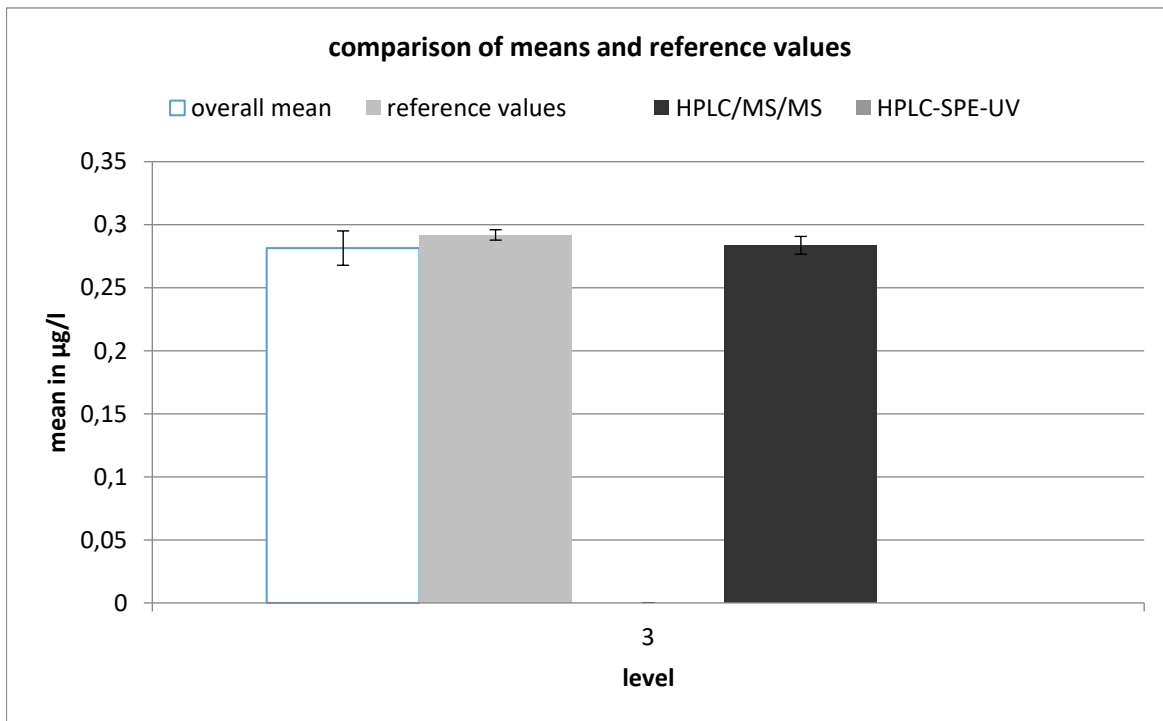
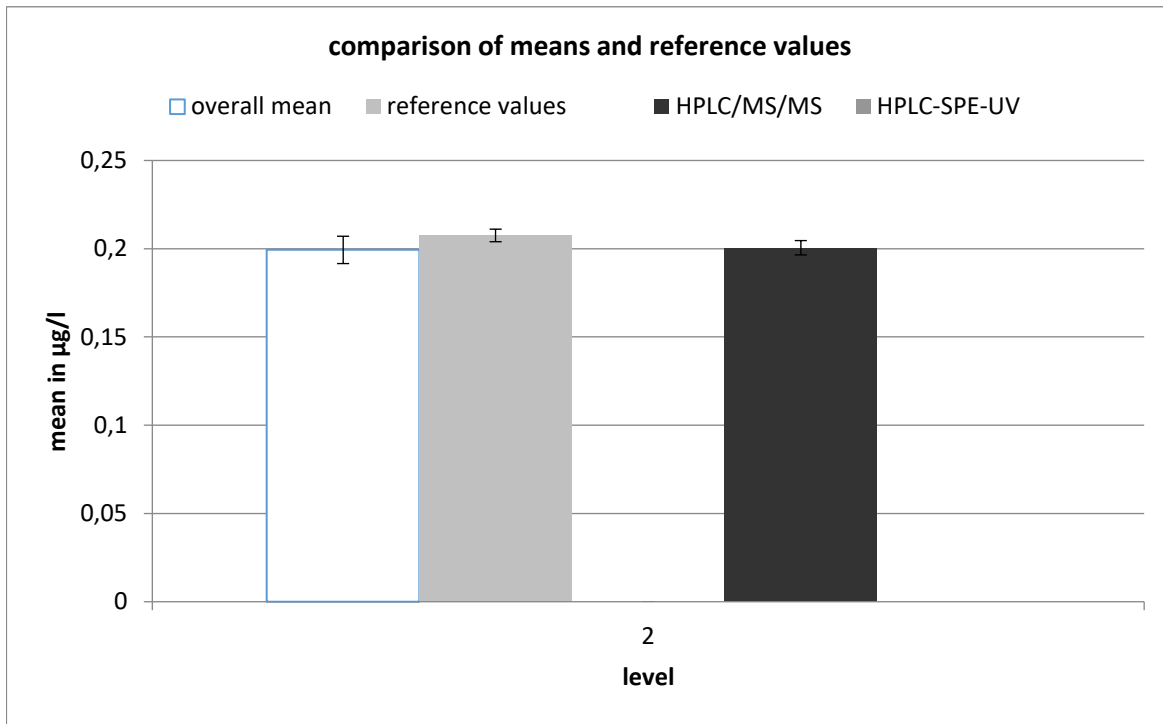


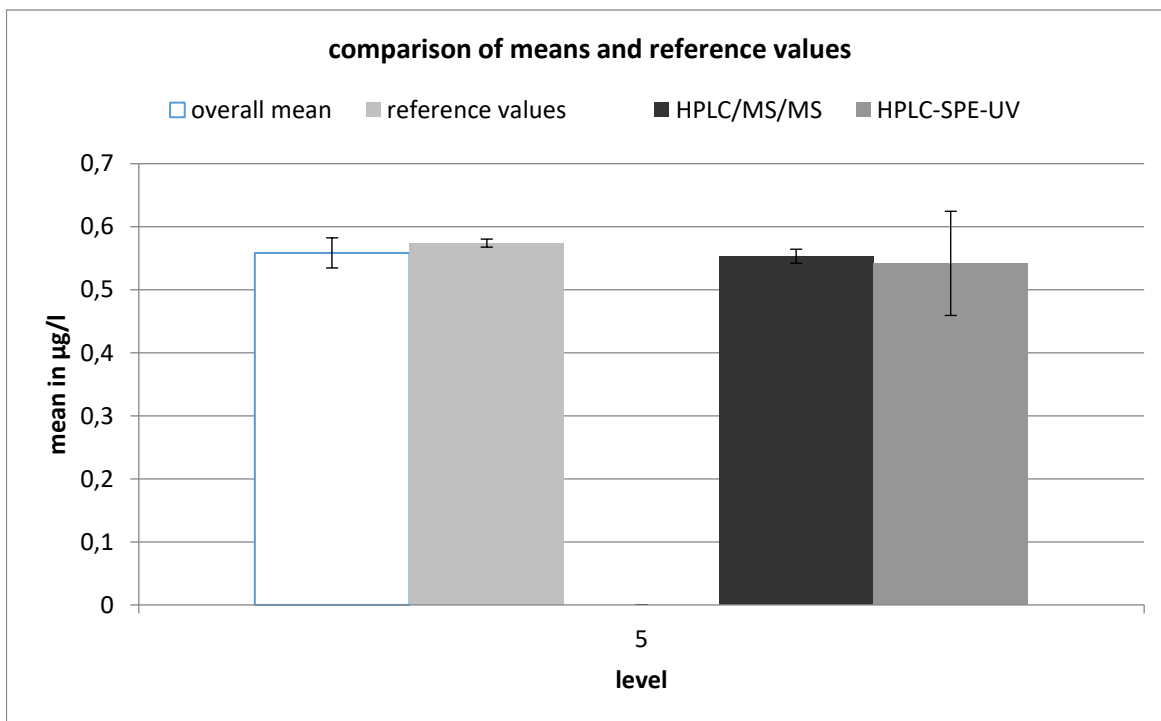
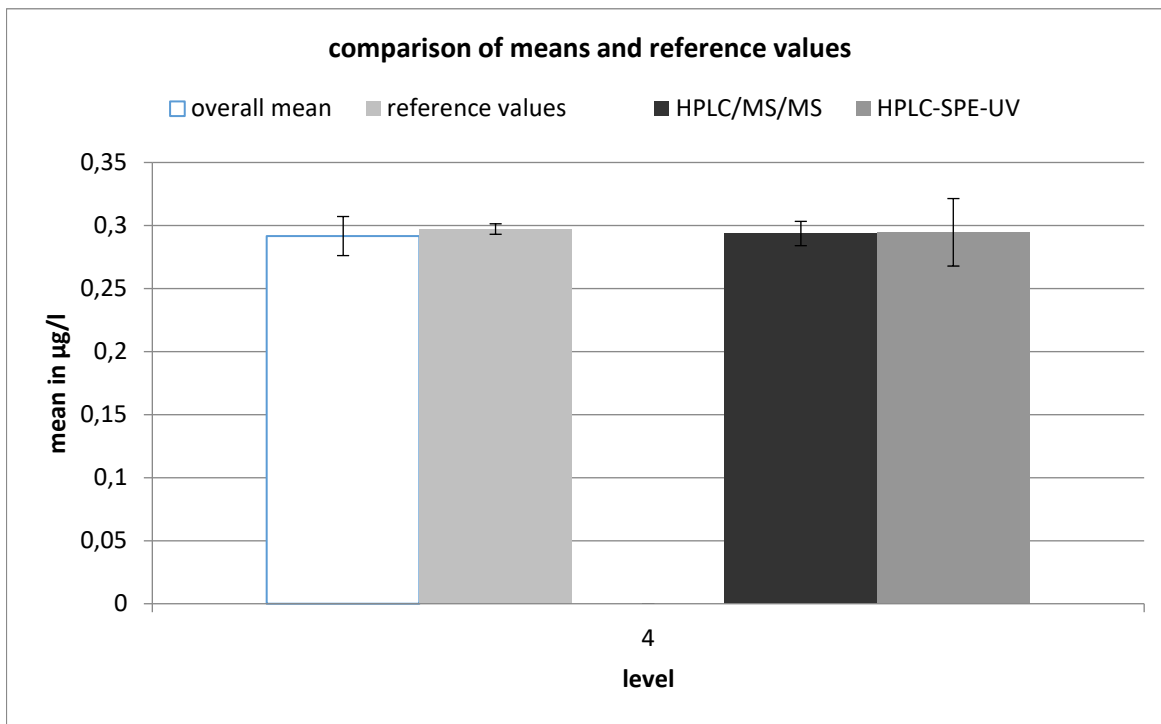
The values determined with HPLC/MS/MS showed the closest statistical distribution.

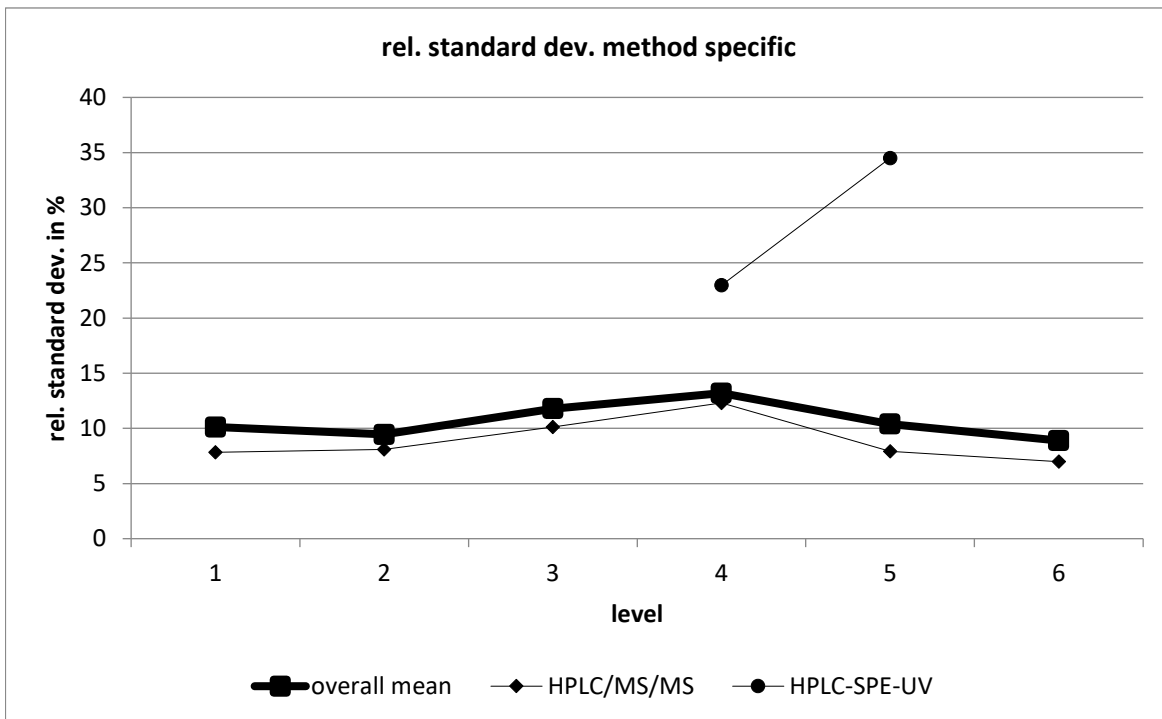
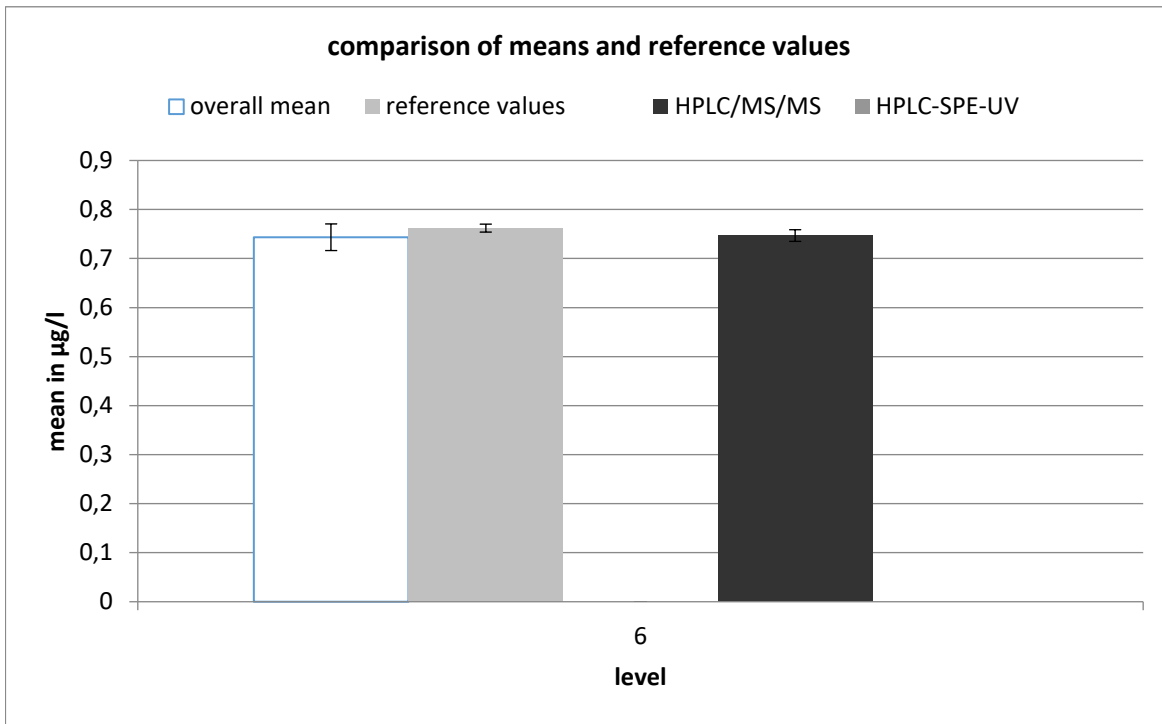
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1124	0,0048	4,2	0,1176	0,0031	2,7
2	0,1993	0,0077	3,9	0,2075	0,0036	1,7
3	0,2814	0,0136	4,8	0,2919	0,0041	1,4
4	0,2916	0,0155	5,3	0,2972	0,0041	1,4
5	0,5584	0,0239	4,3	0,5740	0,0064	1,1
6	0,7434	0,0271	3,7	0,7621	0,0081	1,1









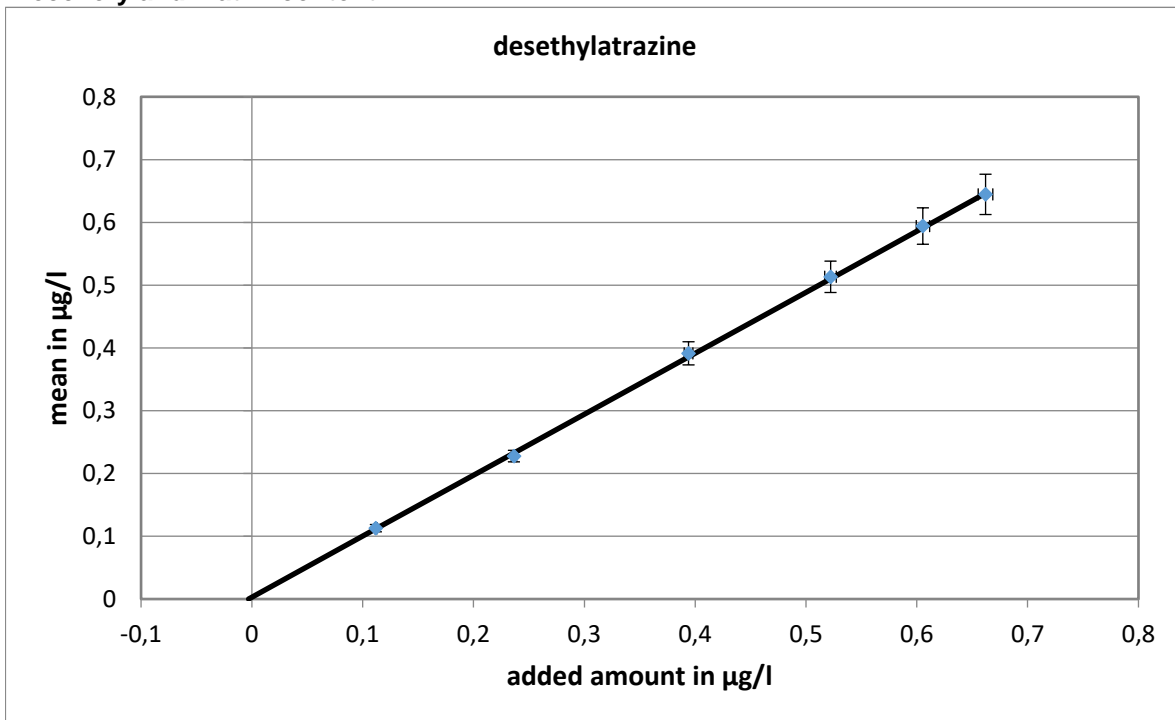
HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,111	0,002	1,92	0,009	7,83	26	2	1	11,5
2	0,201	0,004	2,025	0,016	8,101	25	2	0	8
3	0,284	0,007	2,479	0,029	10,11	26	1	2	11,5
4	0,294	0,01	3,28	0,036	12,31	22	0	1	4,55
5	0,553	0,011	2,017	0,044	7,905	24	1	0	4,17
6	0,747	0,012	1,593	0,052	6,979	30	1	1	6,67

HPLC-SPE-UV									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
4	0,295	0,027	9,081	0,068	22,97	10	0	2	20
5	0,542	0,083	15,25	0,187	34,5	8	0	0	0

desethylatrazine

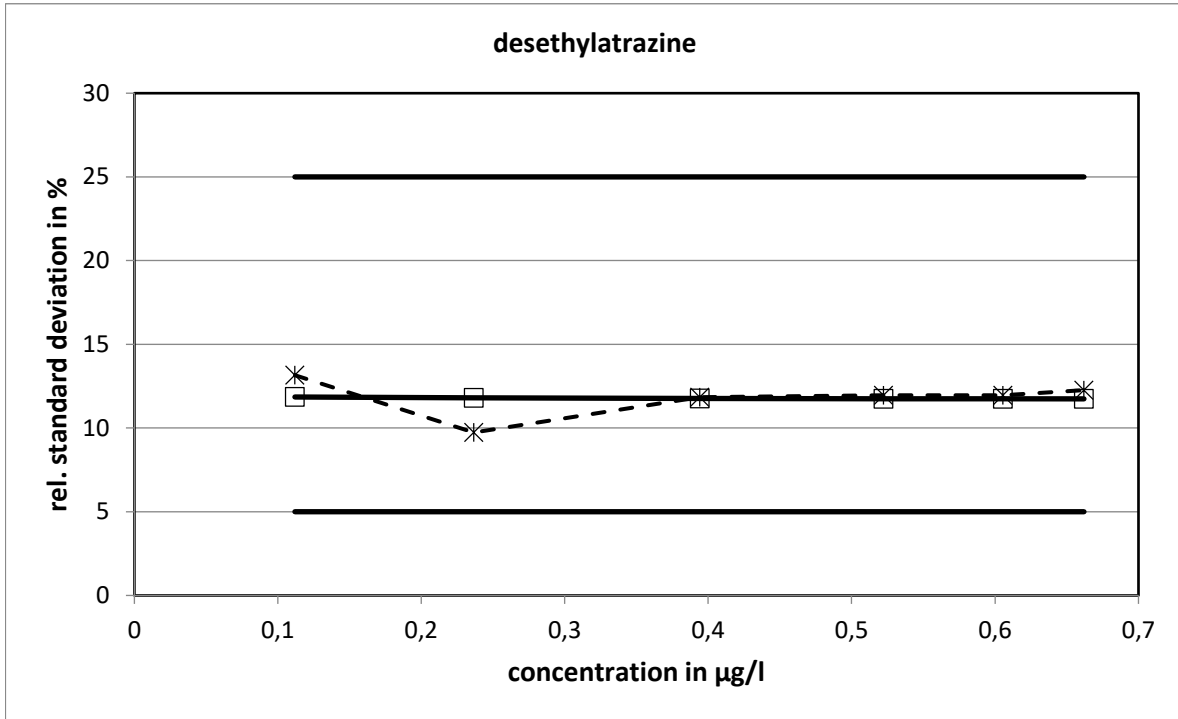
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1119	1,03	0,0147	0,0133	0,0133	11,85	0,1402	0,0868	25,28	-22,46	40	2	5	17,5
2	0,2365	1,00	0,0230	0,0279	0,0279	11,81	0,2961	0,1836	25,19	-22,37	39	1	1	5,1
3	0,3940	1,00	0,0467	0,0464	0,0464	11,77	0,4931	0,3062	25,13	-22,30	40	3	0	7,5
4	0,5221	1,00	0,0625	0,0614	0,0614	11,76	0,6532	0,4059	25,10	-22,27	39	3	1	10,3
5	0,6055	1,00	0,0724	0,0711	0,0711	11,75	0,7574	0,4708	25,08	-22,25	39	2	2	10,3
6	0,6620	1,00	0,0812	0,0777	0,0777	11,74	0,8279	0,5148	25,07	-22,24	40	3	3	15,0
sum											237	14	12	11,0

Recovery and matrix content

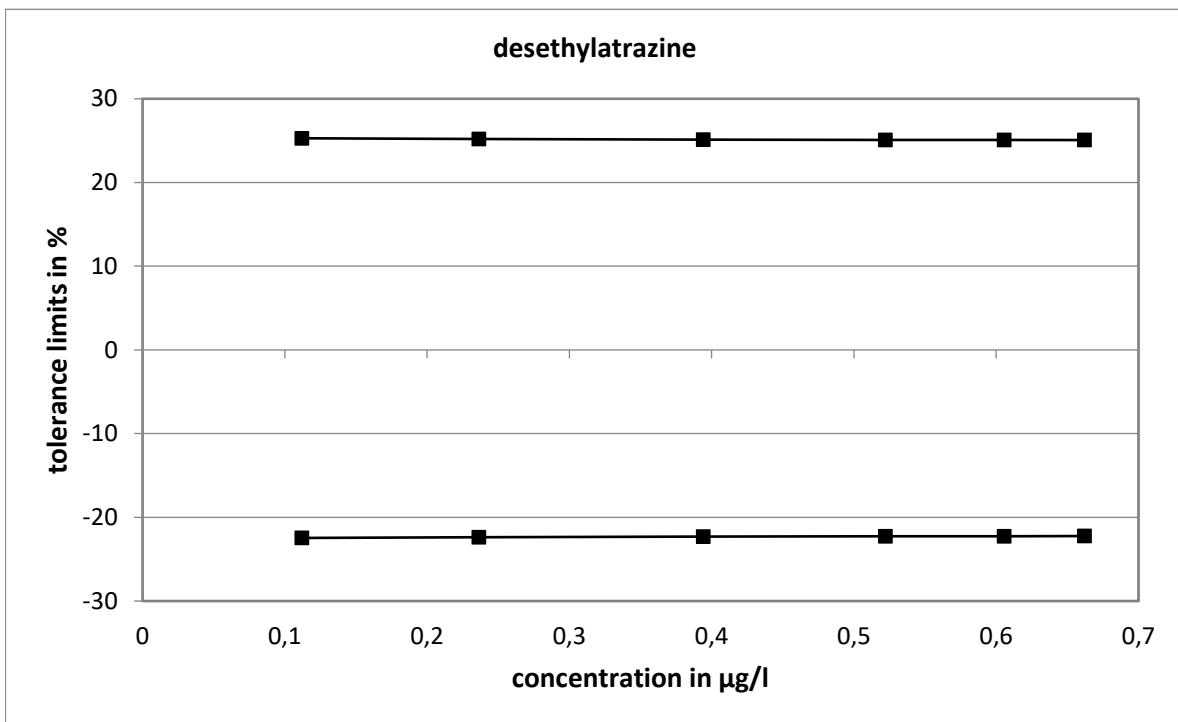


slope of the regression: 0,972; recovery rate: 97,2 %
 neg. x-axis intercept = matrix content: 0,003 µg/l
 expanded uncertainty of the matrix content: 0,003 µg/l = 100 %

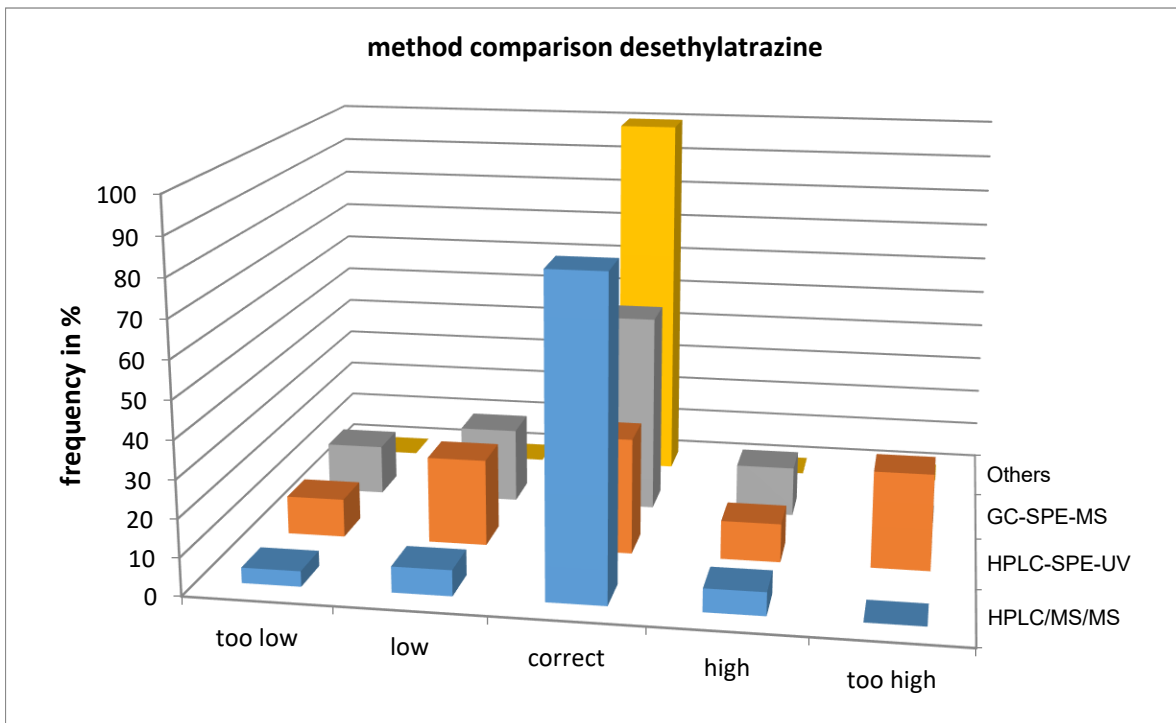
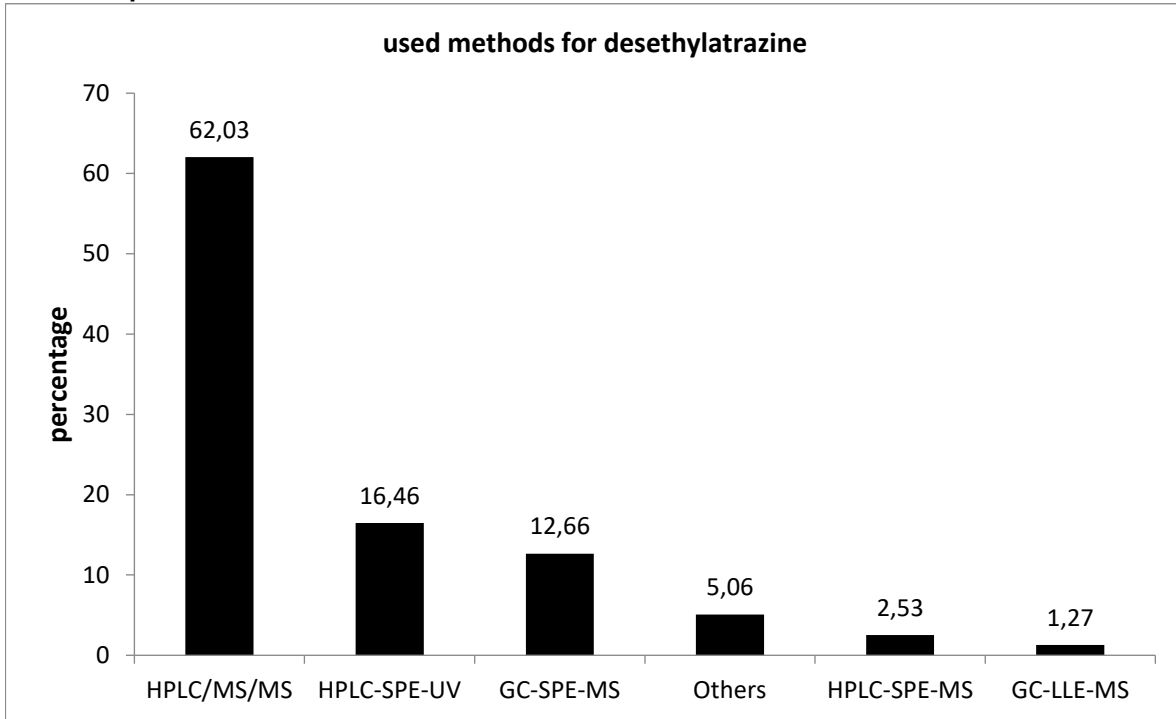
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



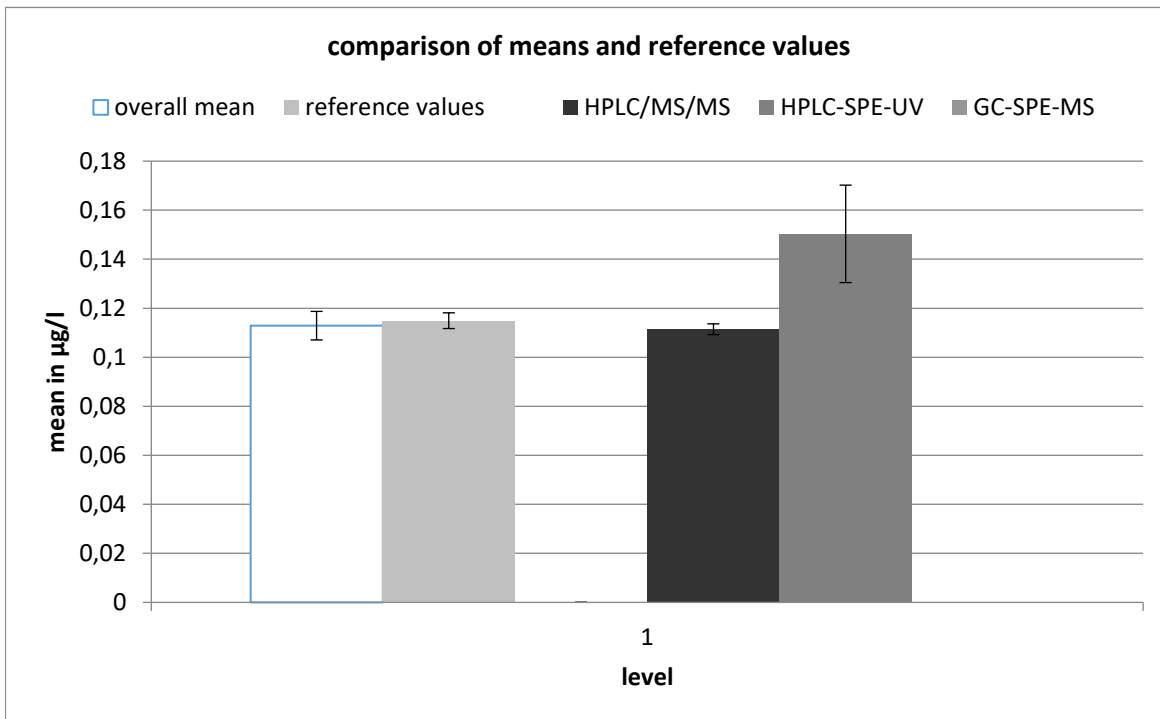
Method specific evaluation

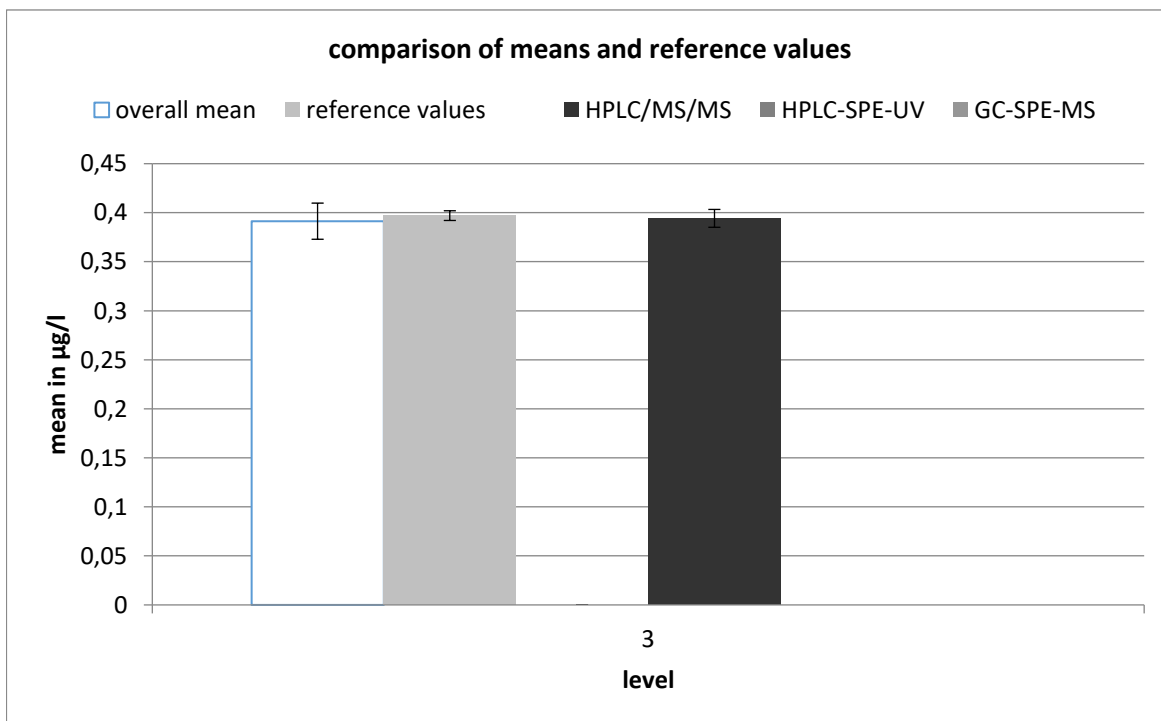
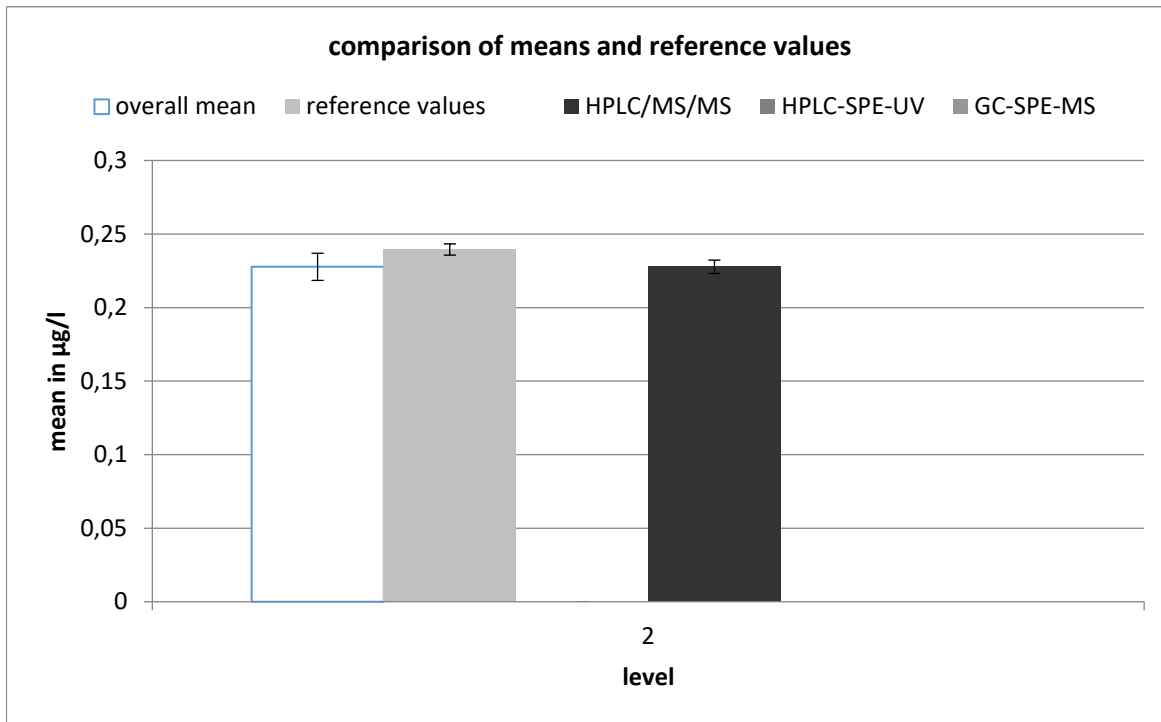


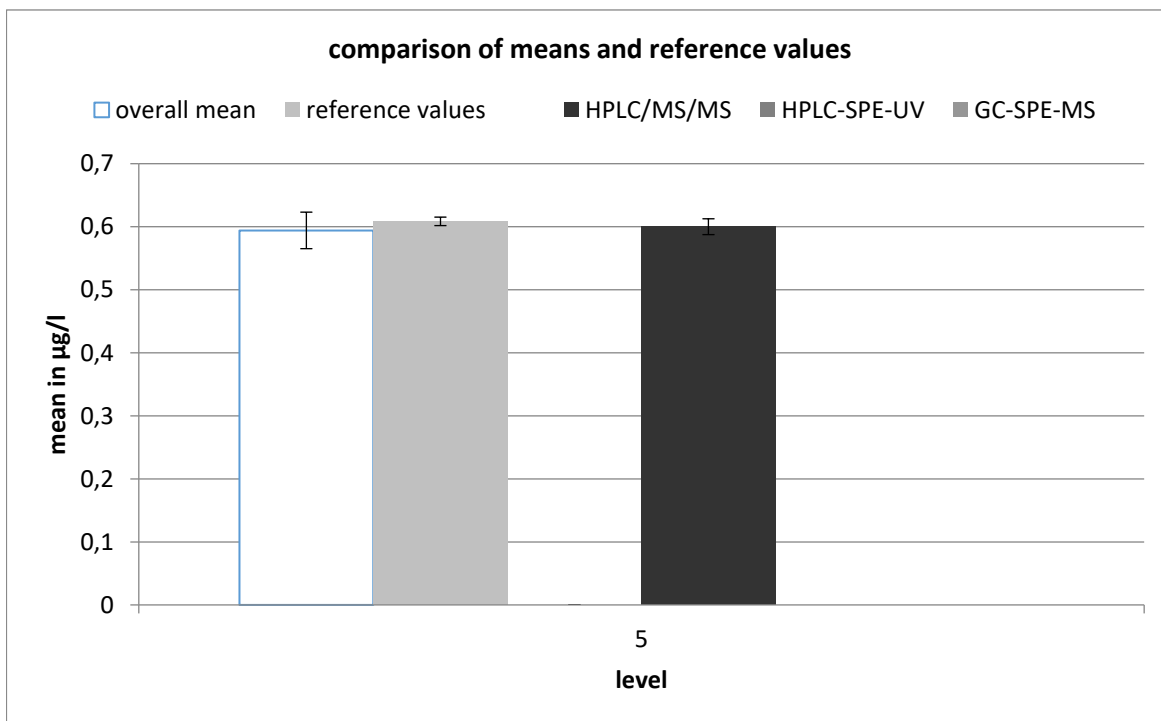
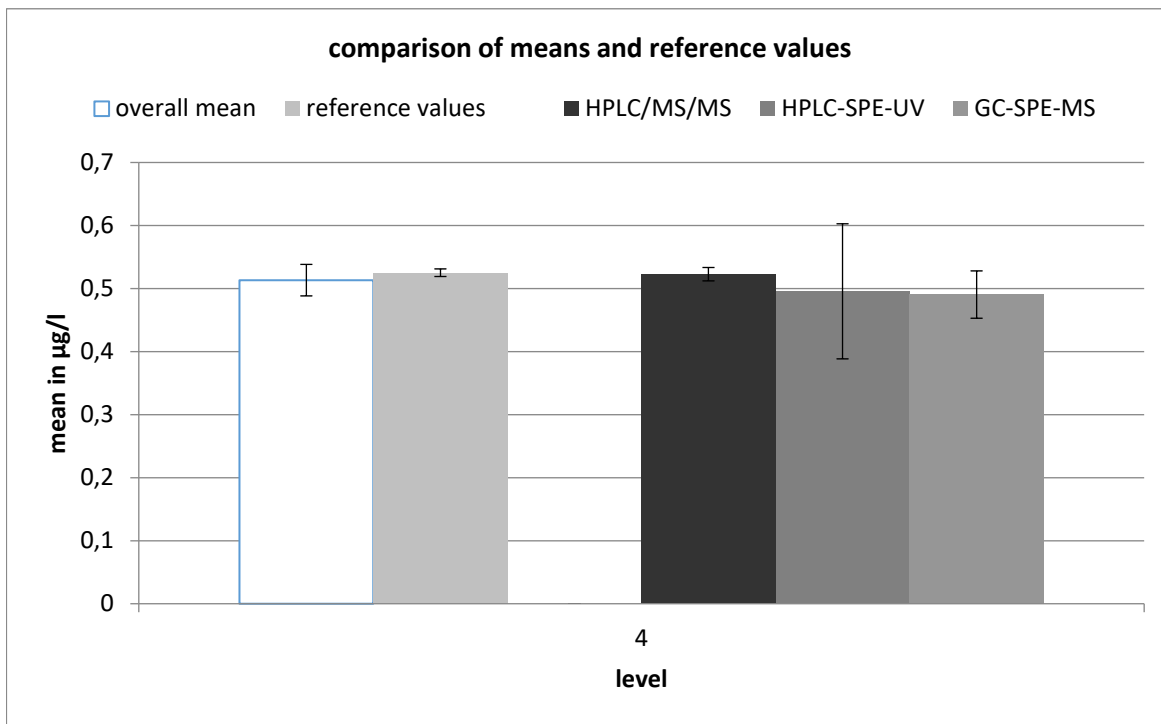
The values determined with HPLC/MS/MS showed the closest statistical distribution.

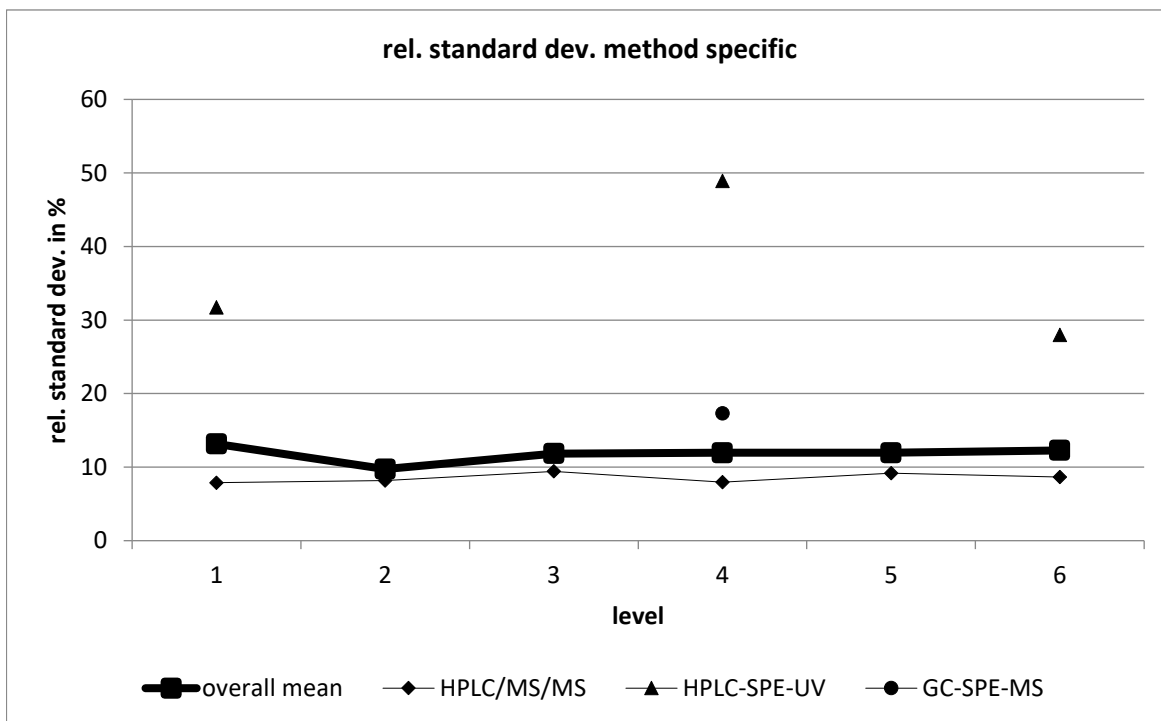
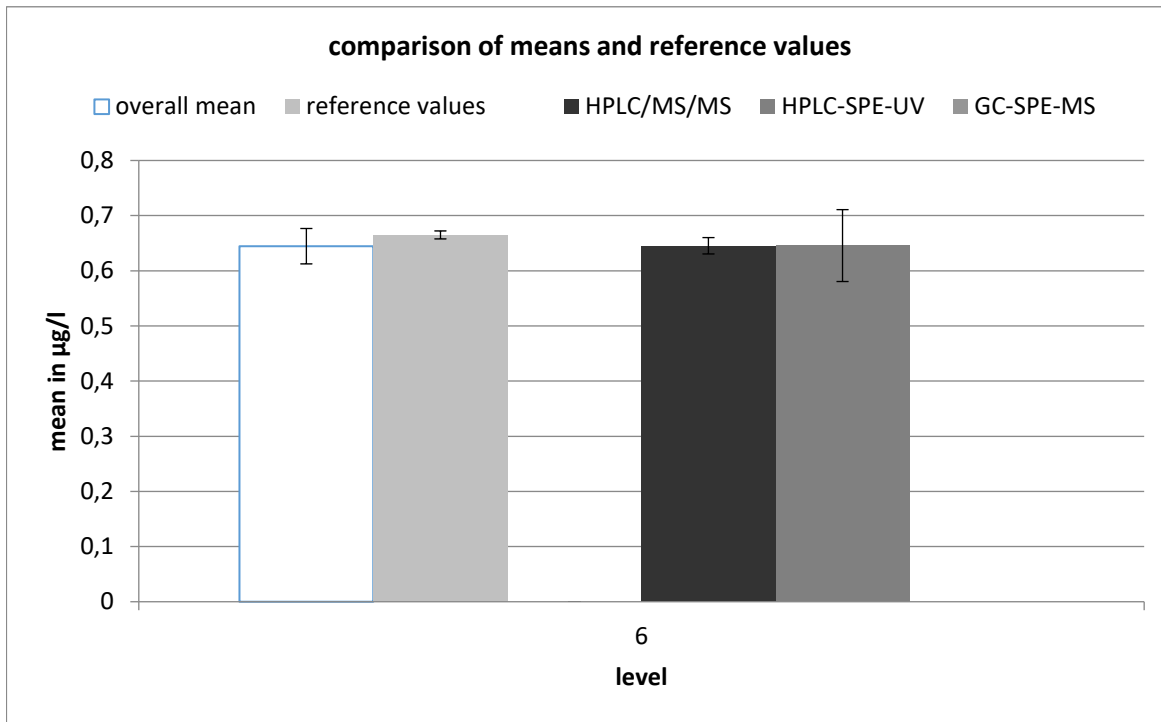
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1129	0,0058	5,2	0,1149	0,0032	2,8
2	0,2277	0,0092	4,0	0,2395	0,0038	1,6
3	0,3914	0,0184	4,7	0,3970	0,0049	1,2
4	0,5133	0,0250	4,9	0,5251	0,0060	1,1
5	0,5941	0,0290	4,9	0,6085	0,0067	1,1
6	0,6446	0,0321	5,0	0,6650	0,0073	1,1









HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,111	0,002	1,972	0,009	7,888	25	2	2	16
2	0,228	0,005	2	0,019	8,16	26	2	2	15,4
3	0,394	0,009	2,309	0,037	9,417	26	0	2	7,69
4	0,523	0,011	2,033	0,042	7,968	24	2	0	8,33
5	0,6	0,013	2,091	0,055	9,162	30	4	0	13,3
6	0,645	0,015	2,306	0,056	8,654	22	1	1	9,09

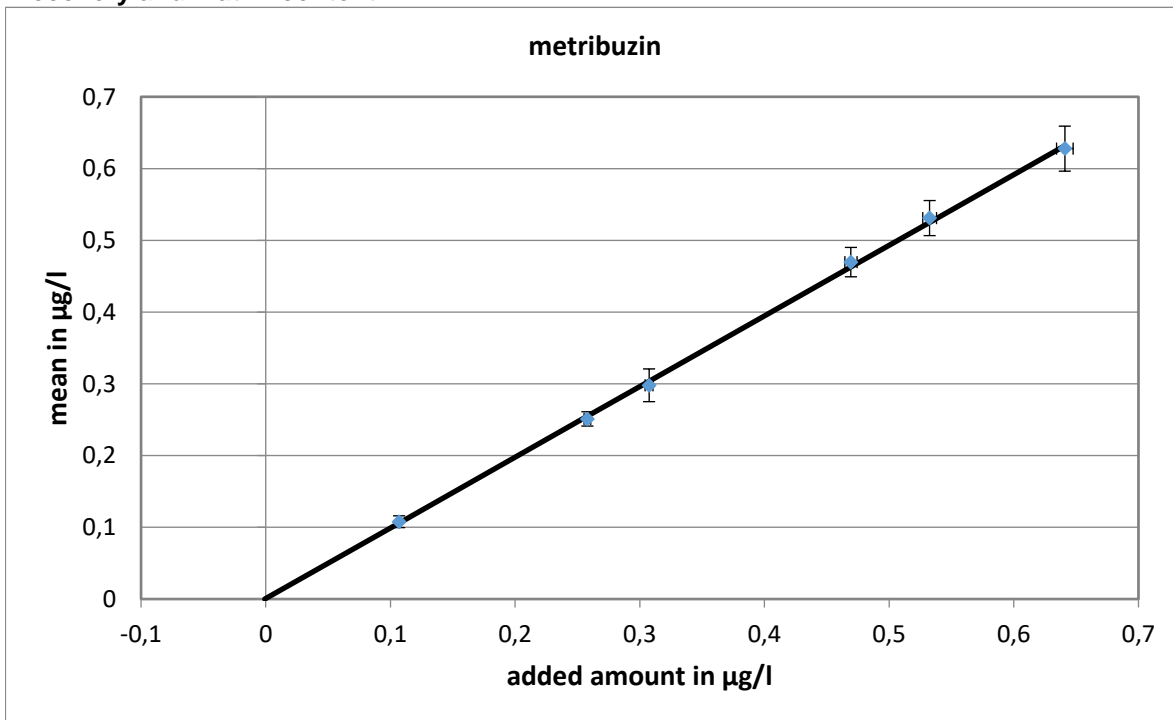
HPLC-SPE-UV									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,15	0,02	13,22	0,048	31,74	9	0	1	11,1
4	0,496	0,107	21,62	0,242	48,92	8	0	0	0
6	0,646	0,065	10,09	0,181	27,97	12	0	0	0

GC-SPE-MS									
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metribuzin

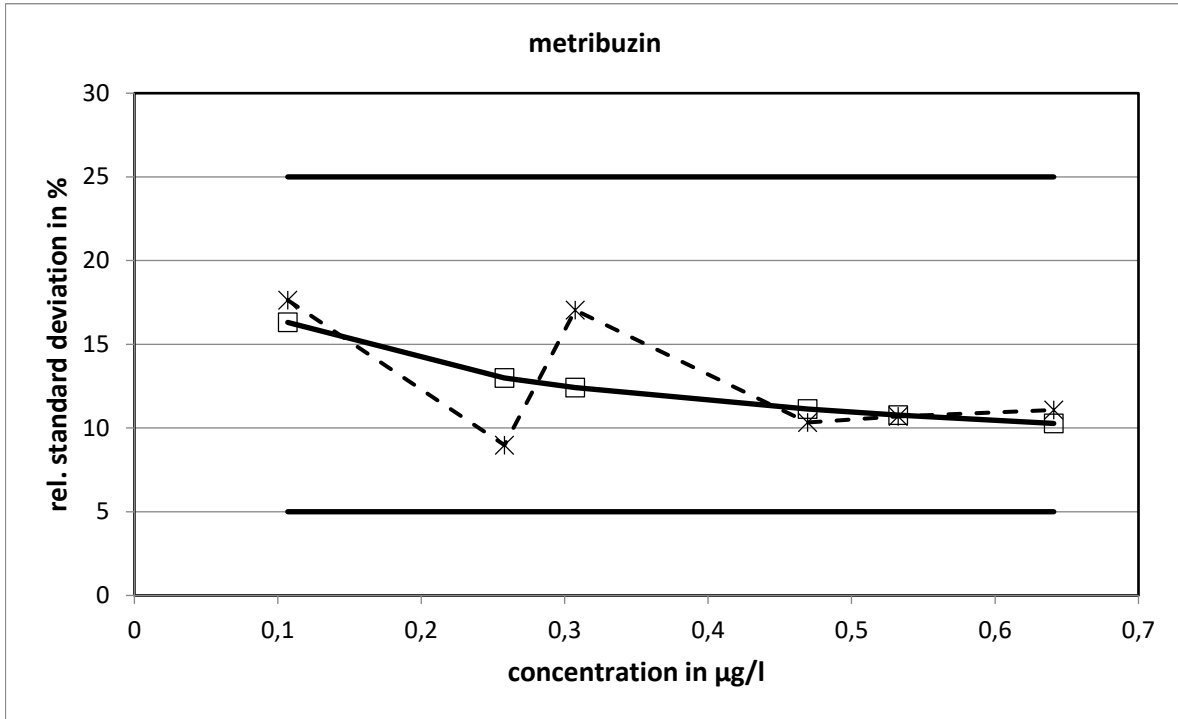
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1069	1,07	0,0189	0,0174	0,0174	16,31	0,1452	0,0745	35,74	-30,37	33	1	2	9,1
2	0,2580	1,04	0,0232	0,0335	0,0335	12,99	0,3301	0,1948	27,94	-24,49	34	2	1	8,8
3	0,3074	1,04	0,0524	0,0382	0,0382	12,42	0,3892	0,2353	26,61	-23,46	33	3	1	12,1
4	0,4694	1,04	0,0485	0,0523	0,0523	11,13	0,5805	0,3701	23,67	-21,15	35	2	1	8,6
5	0,5325	1,04	0,0570	0,0574	0,0574	10,78	0,6542	0,4233	22,86	-20,51	34	2	0	5,9
6	0,6409	1,04	0,0710	0,0659	0,0659	10,27	0,7803	0,5154	21,74	-19,59	32	2	0	6,3
sum											201	12	5	8,5

Recovery and matrix content

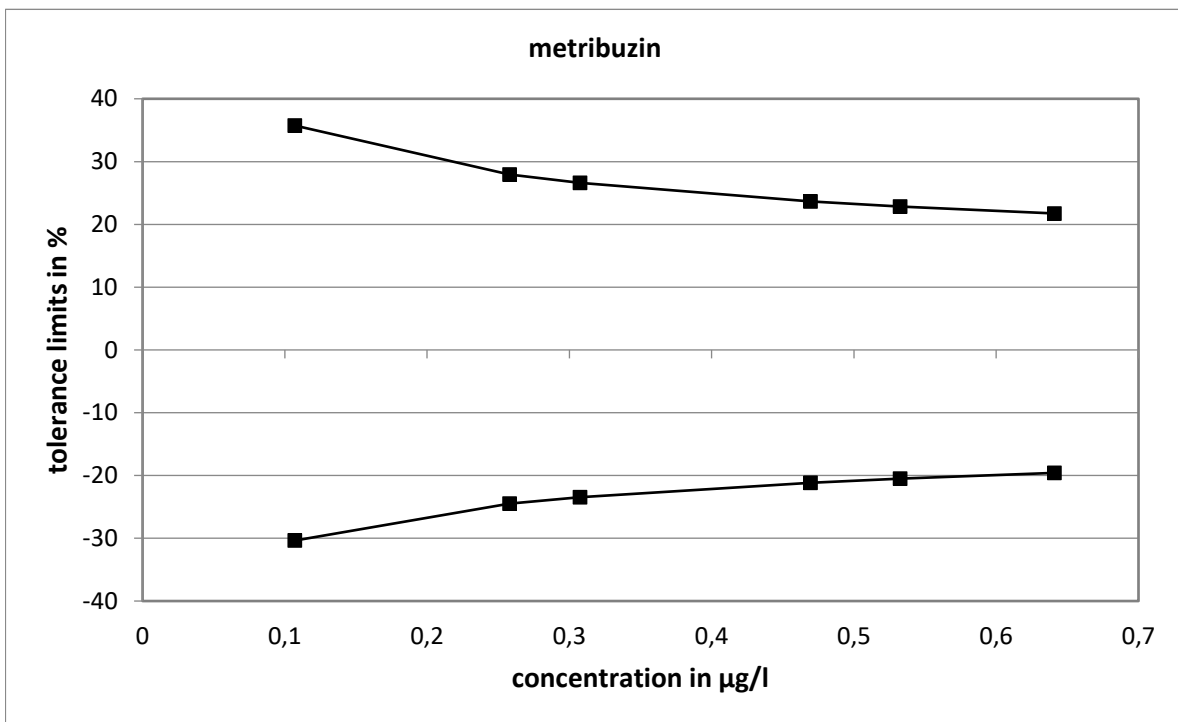


slope of the regression: 0,985; recovery rate: 98,5 %
 neg. x-axis intercept = matrix content: 0,0008 µg/l
 expanded uncertainty of the matrix content: 0,0008 µg/l = 100 %

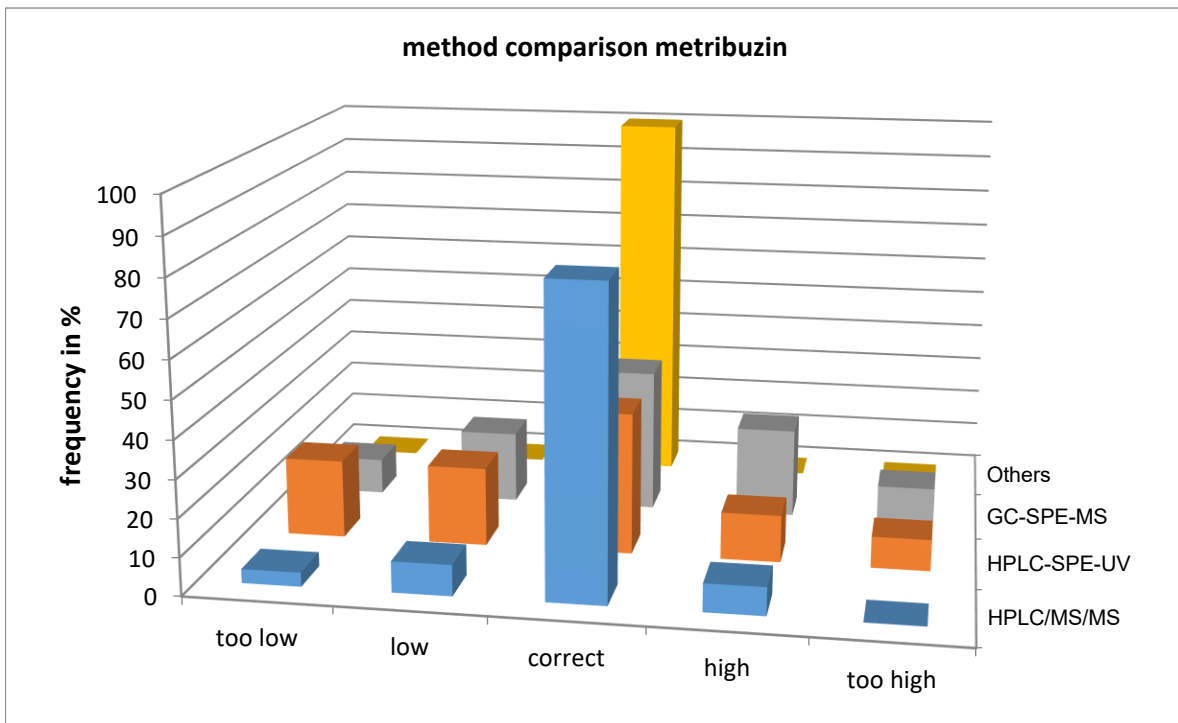
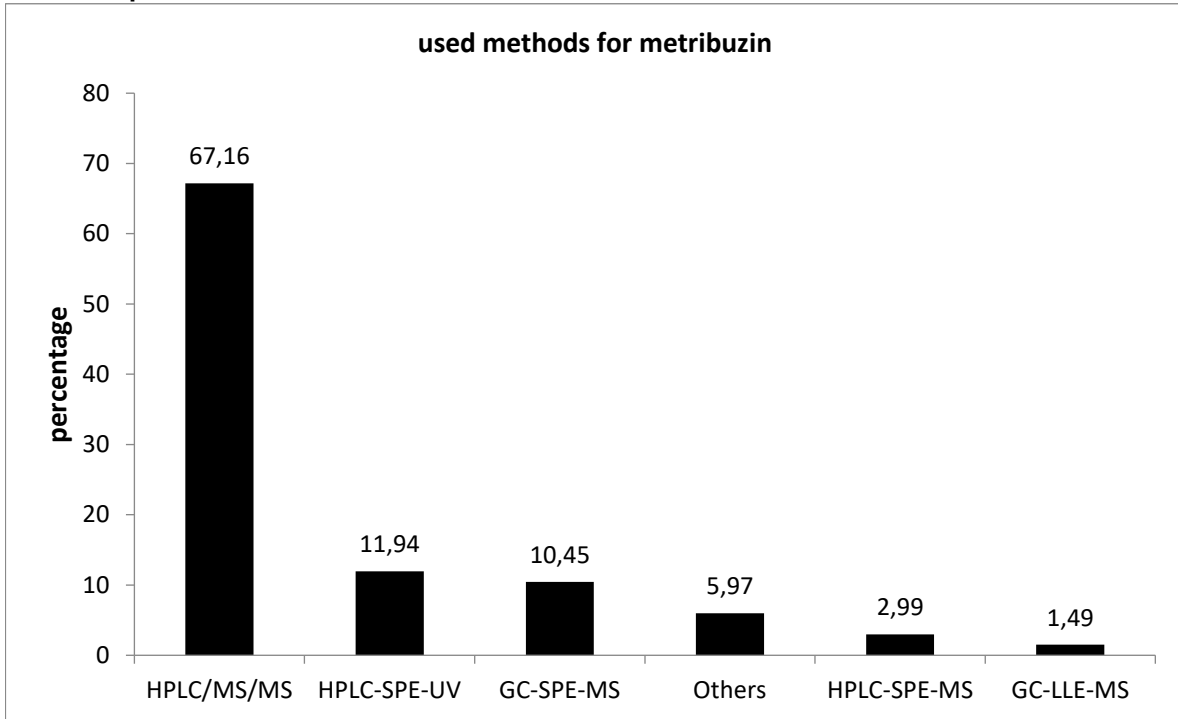
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



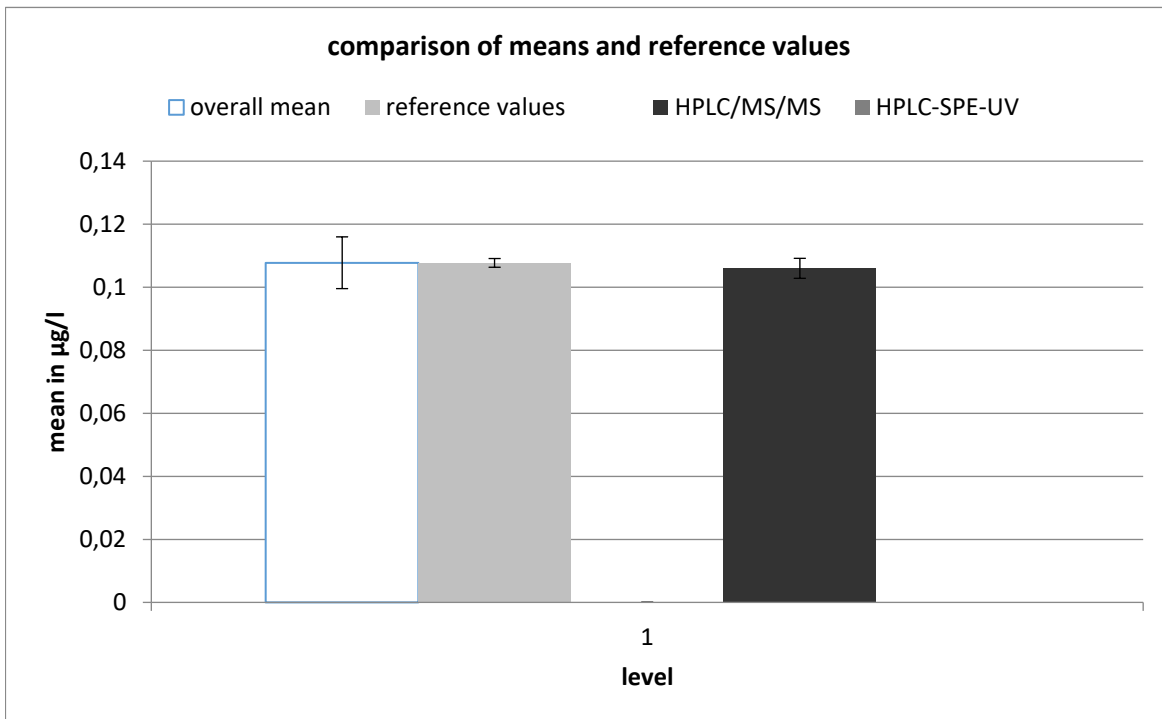
Method specific evaluation

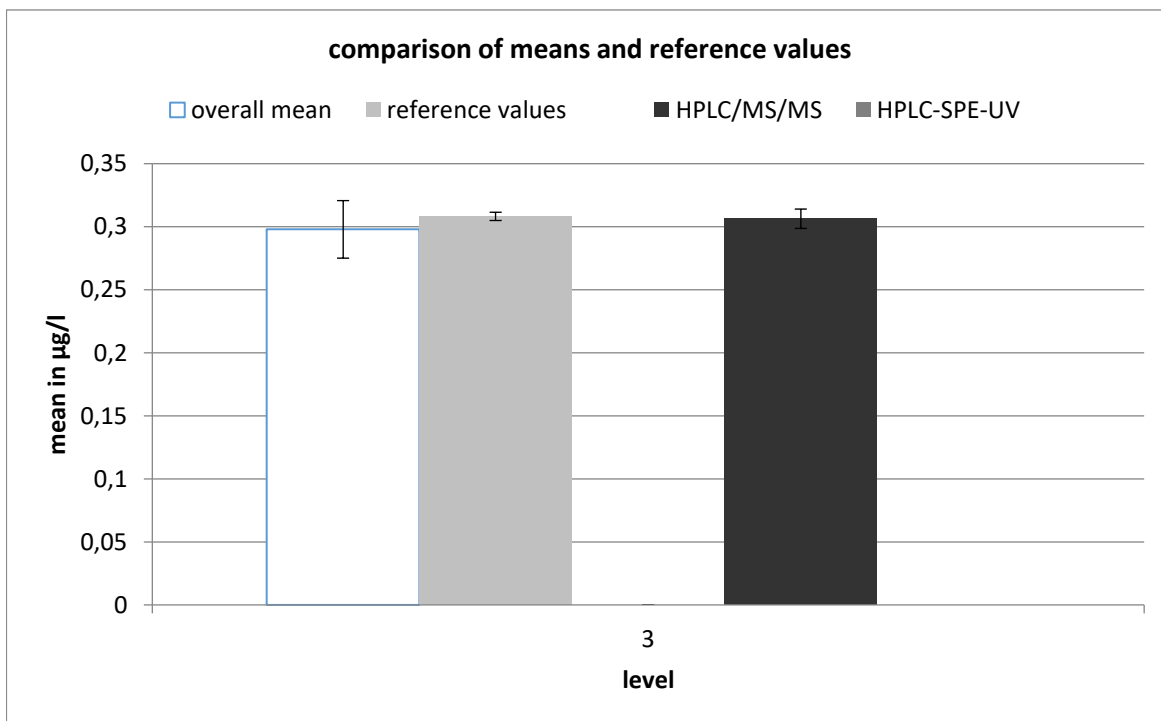
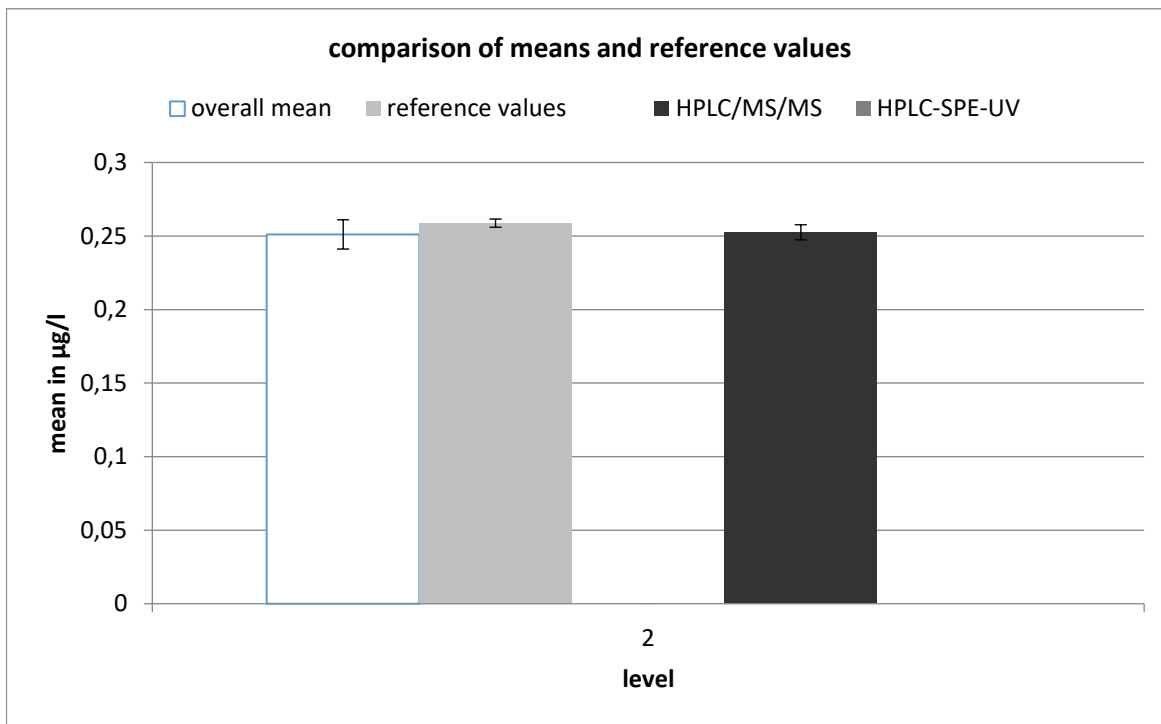


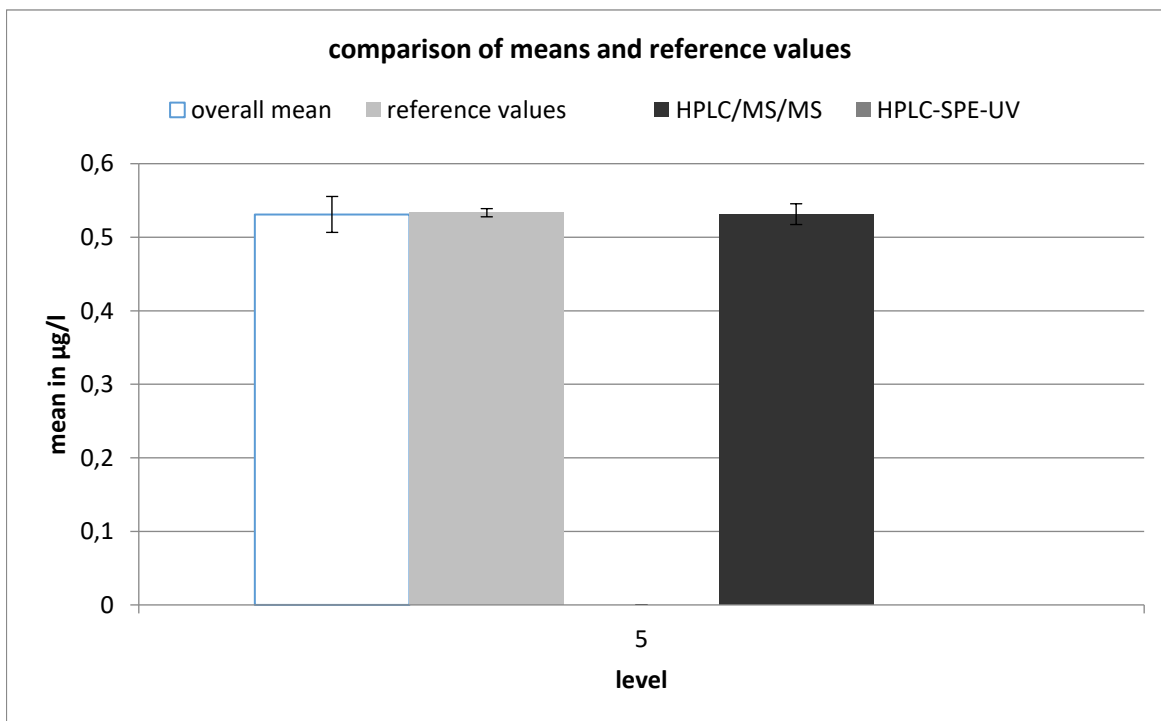
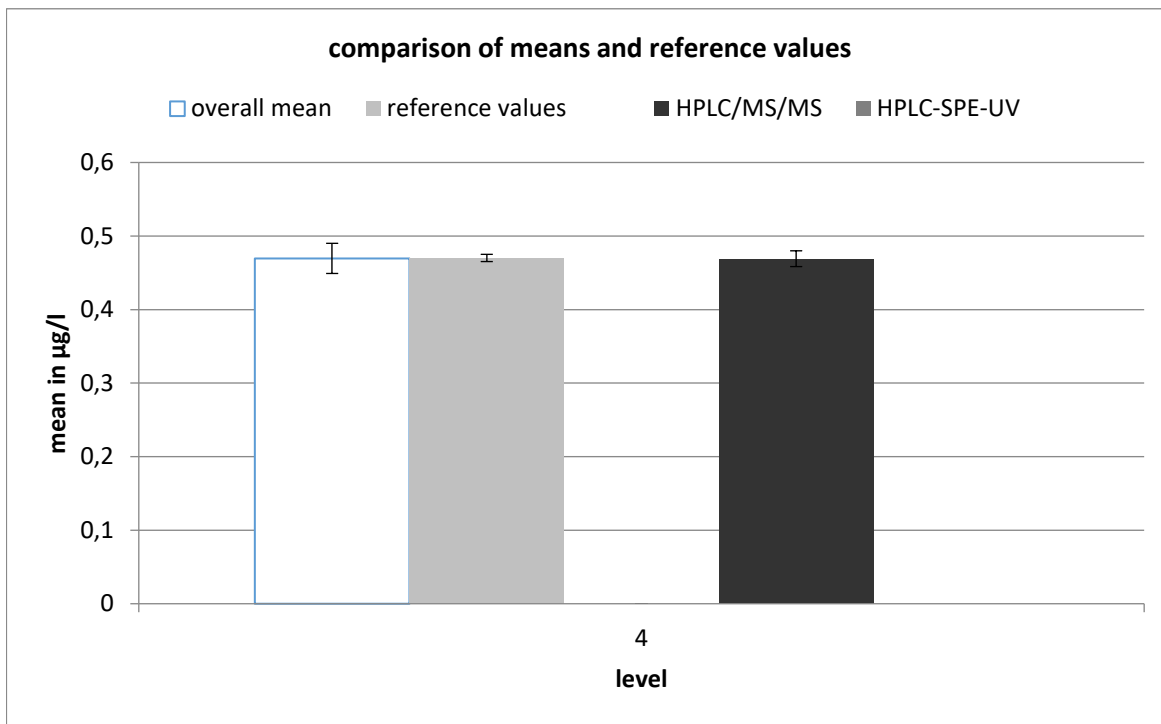
The values determined with HPLC/MS/MS showed the closest statistical distribution.

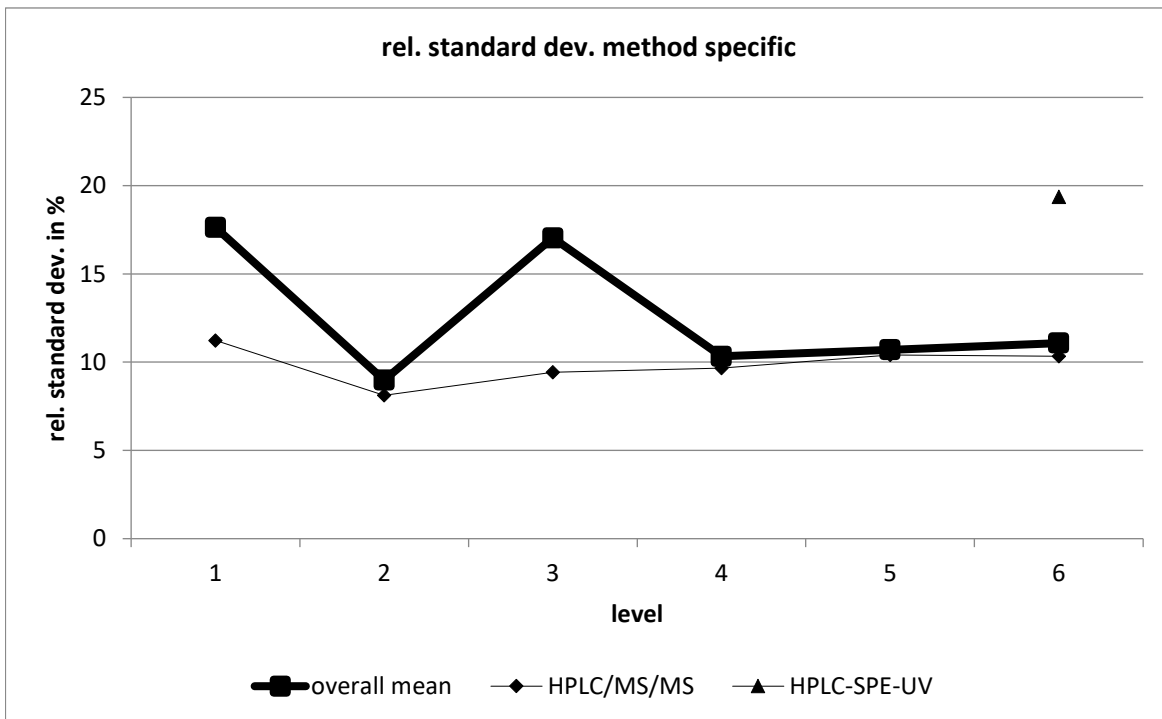
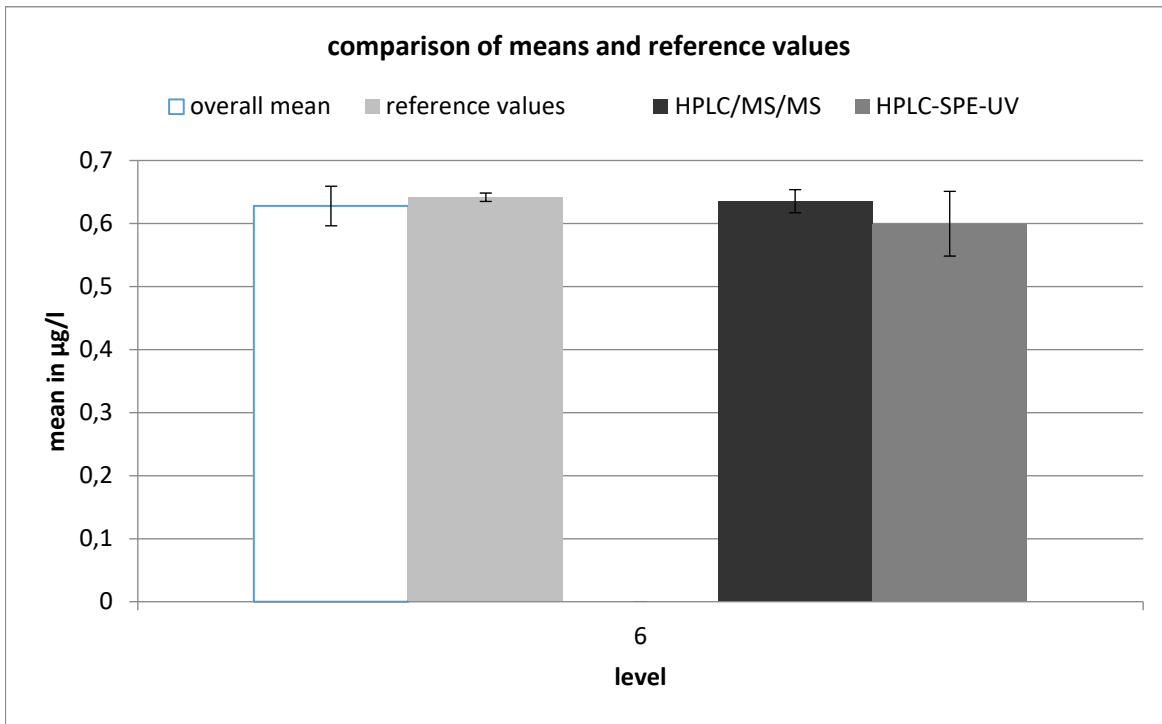
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1078	0,0082	7,6	0,1077	0,0014	1,3
2	0,2511	0,0099	4,0	0,2588	0,0028	1,1
3	0,2979	0,0228	7,7	0,3082	0,0033	1,1
4	0,4696	0,0205	4,4	0,4702	0,0049	1,0
5	0,5310	0,0244	4,6	0,5333	0,0056	1,0
6	0,6278	0,0314	5,0	0,6417	0,0067	1,0









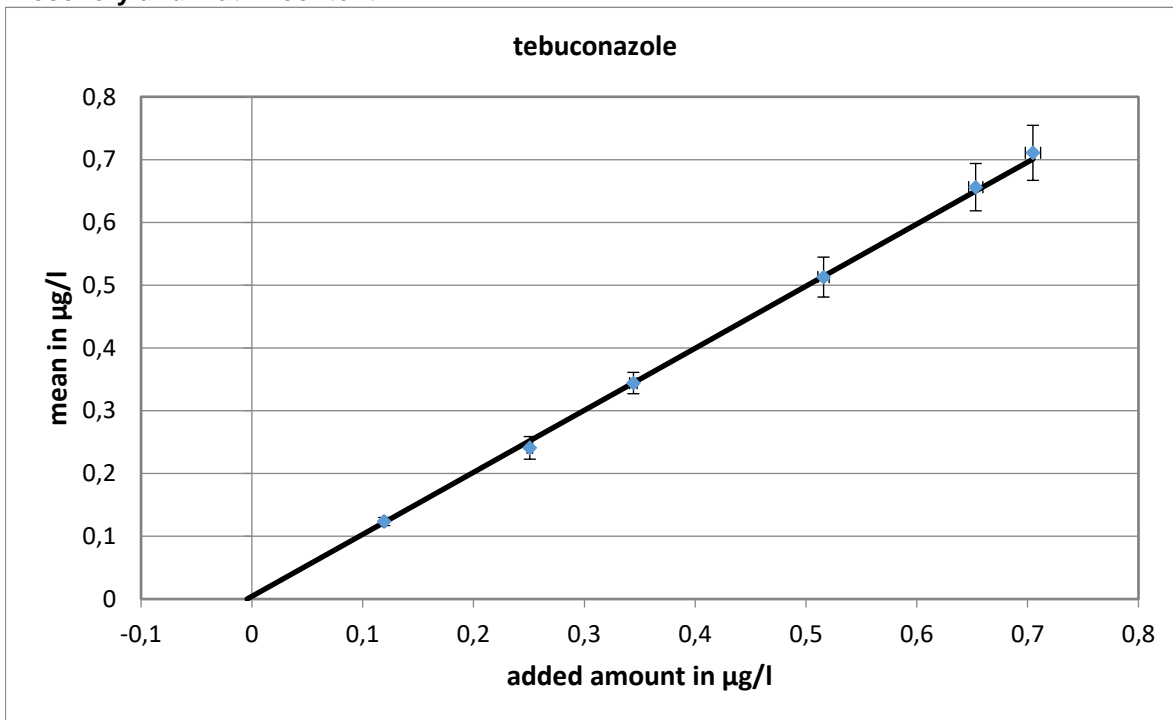
HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,106	0,003	2,993	0,012	11,23	22	0	2	9,09
2	0,253	0,005	2,03	0,021	8,122	25	2	1	12
3	0,306	0,008	2,513	0,029	9,428	22	1	1	9,09
4	0,469	0,011	2,282	0,045	9,658	28	2	1	10,7
5	0,531	0,014	2,655	0,055	10,41	24	1	0	4,17
6	0,635	0,018	2,887	0,066	10,33	20	1	0	5

HPLC-SPE-UV									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
6	0,6	0,051	8,558	0,116	19,37	8	0	0	0

tebuconazole

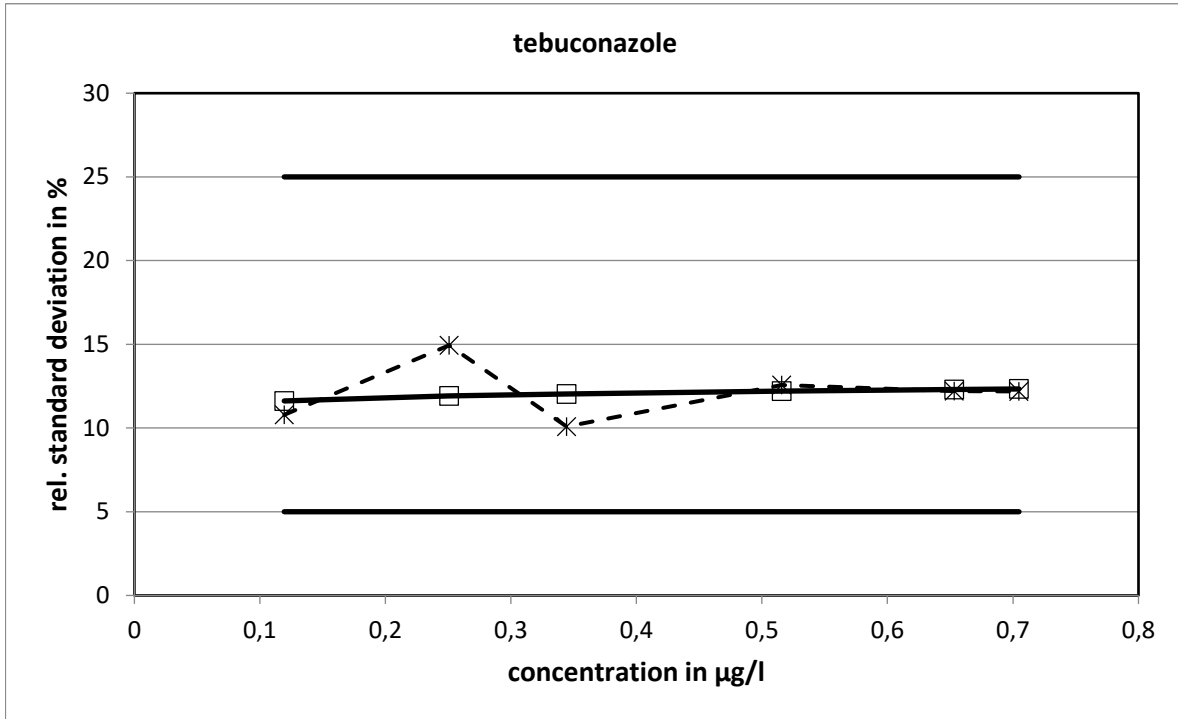
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1194	1,01	0,0129	0,0139	0,0139	11,62	0,1489	0,0931	24,75	-22,04	25	0	2	8,0
2	0,2508	0,99	0,0375	0,0299	0,0299	11,91	0,3145	0,1942	25,41	-22,57	27	4	0	14,8
3	0,3442	0,98	0,0347	0,0414	0,0414	12,04	0,4327	0,2657	25,71	-22,80	26	5	0	19,2
4	0,5158	0,98	0,0648	0,0629	0,0629	12,20	0,6503	0,3967	26,08	-23,09	26	4	0	15,4
5	0,6532	0,98	0,0798	0,0803	0,0803	12,30	0,8250	0,5012	26,31	-23,27	28	2	2	14,3
6	0,7048	0,98	0,0859	0,0869	0,0869	12,33	0,8907	0,5404	26,38	-23,33	24	1	0	4,2
sum											156	16	4	12,8

Recovery and matrix content

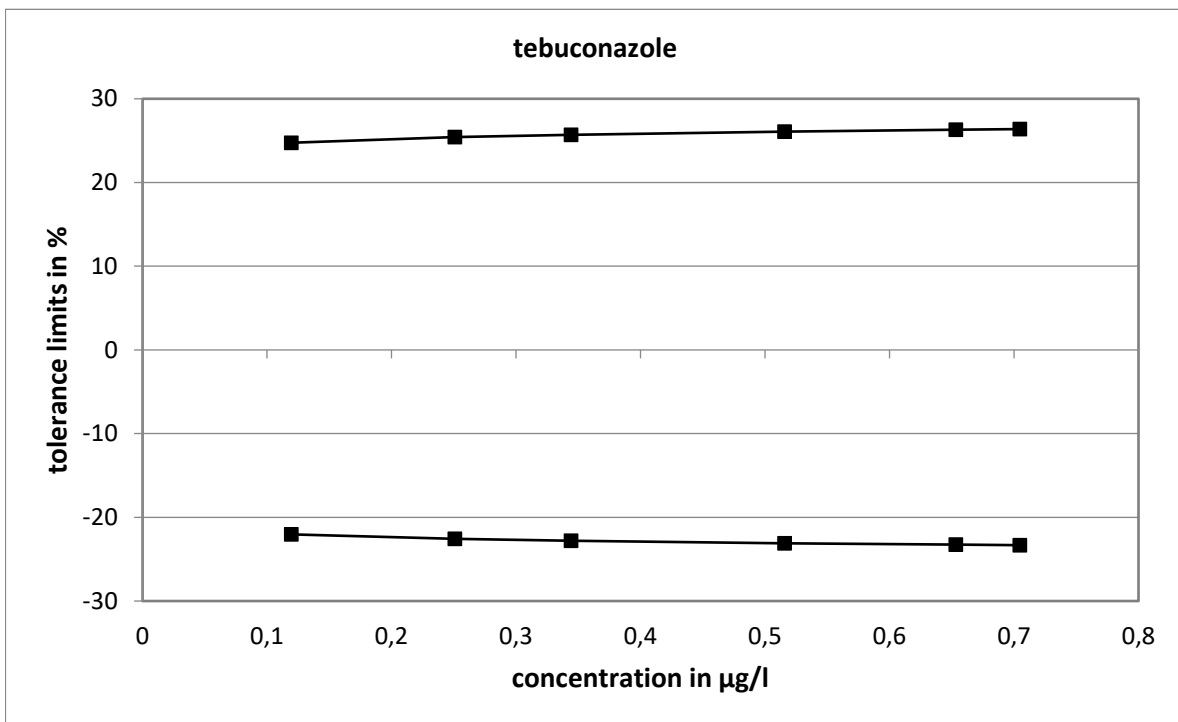


slope of the regression: 0,988; recovery rate: 98,8 %
 neg. x-axis intercept = matrix content: 0,004 µg/l
 expanded uncertainty of the matrix content: 0,004 µg/l = 100 %

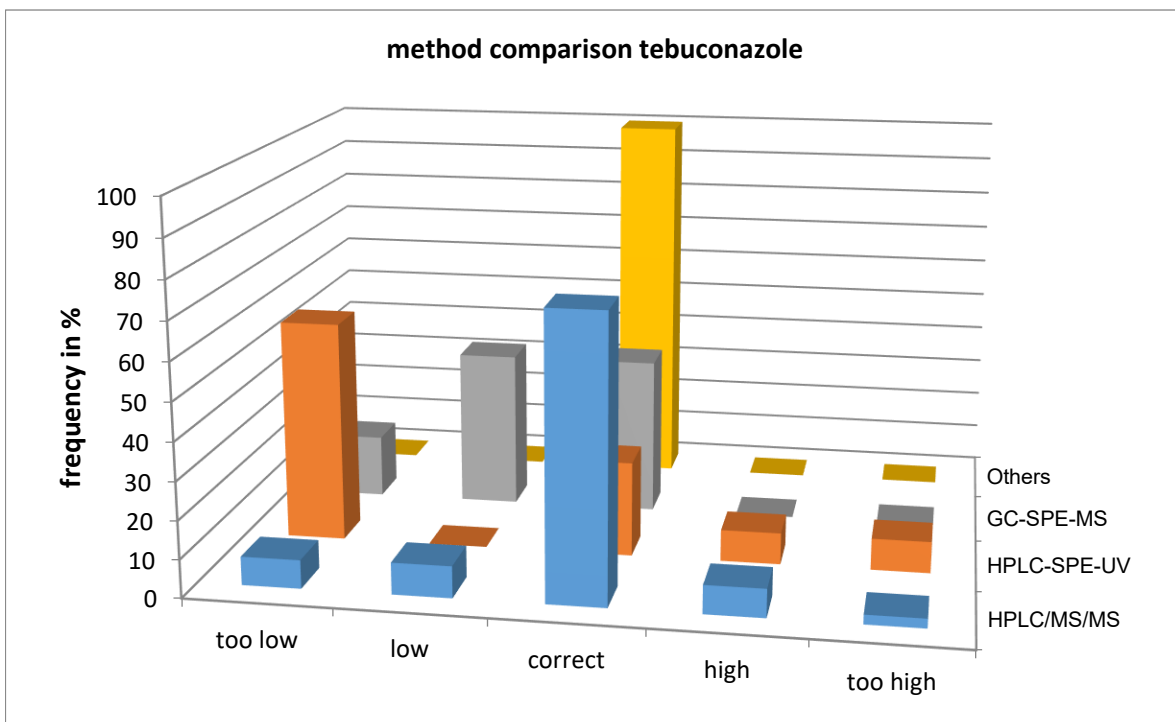
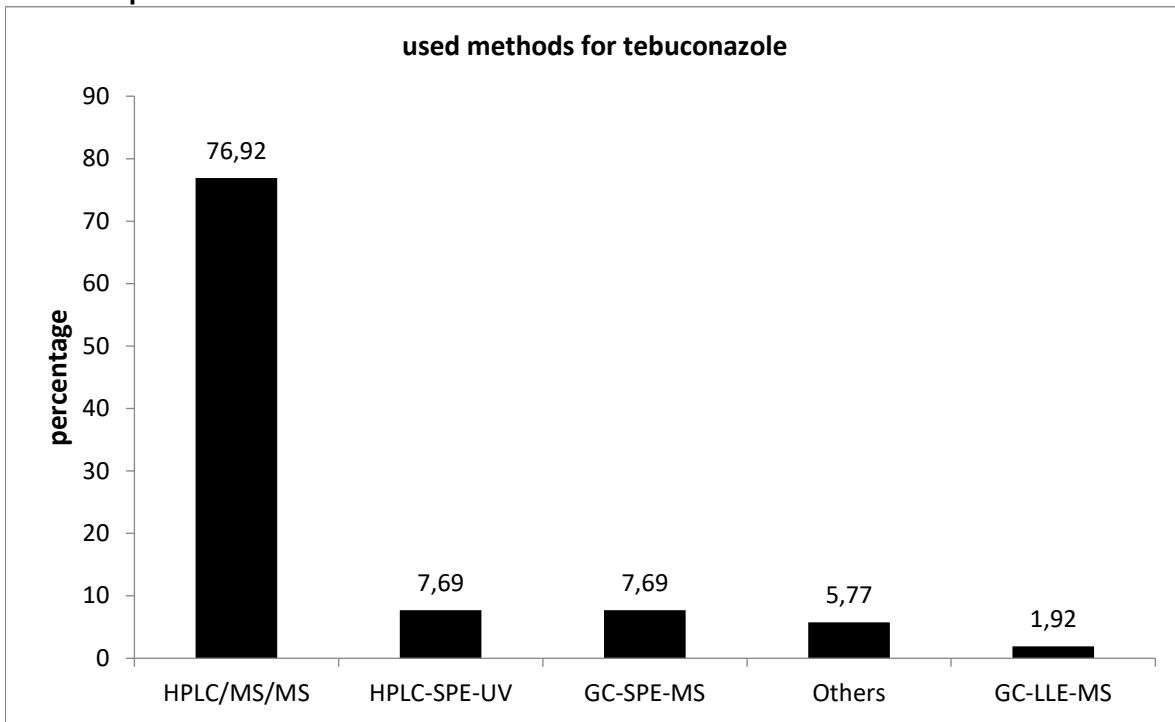
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



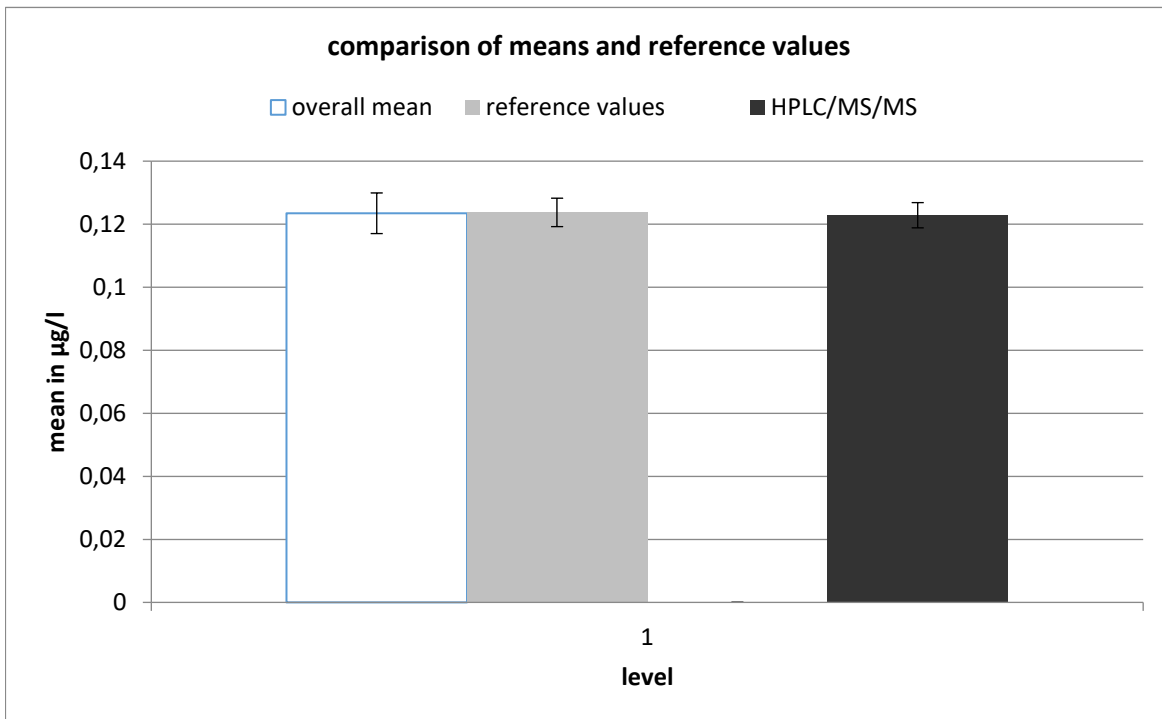
Method specific evaluation

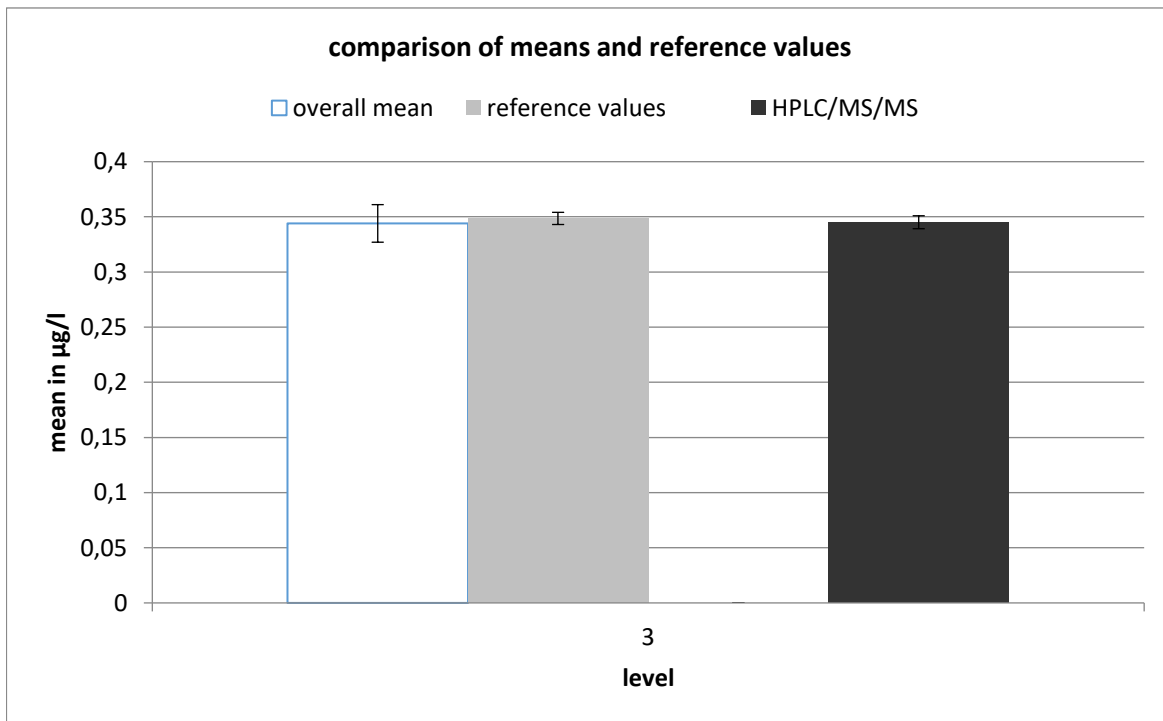
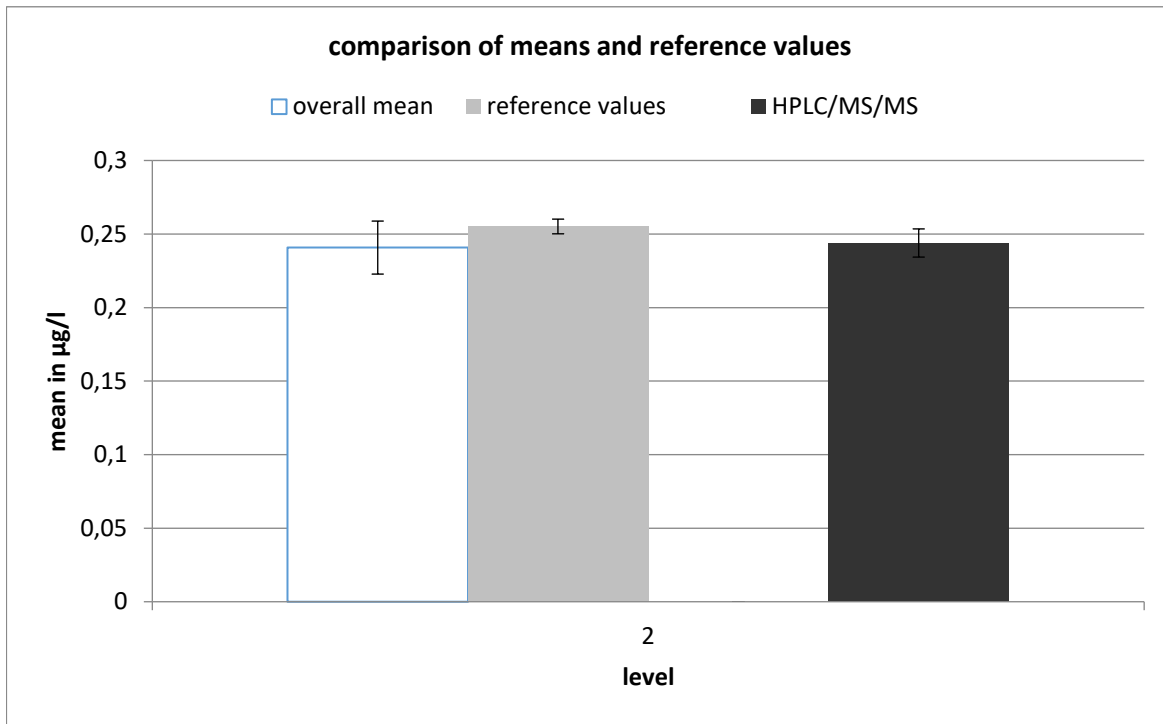


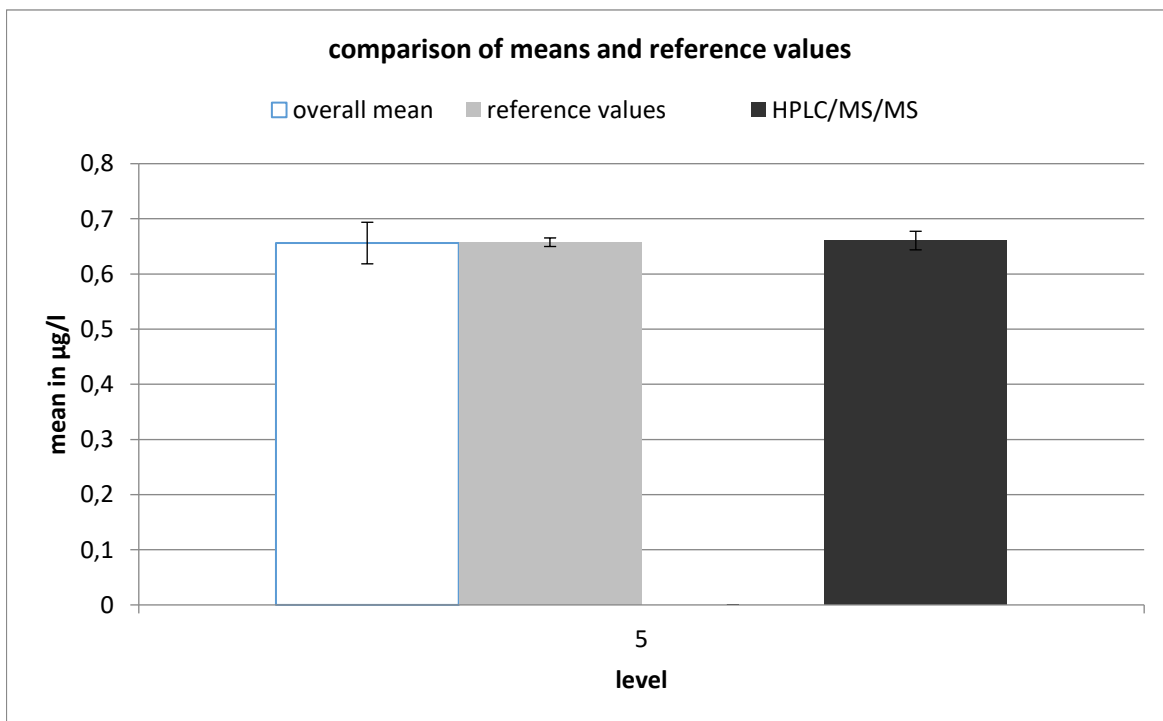
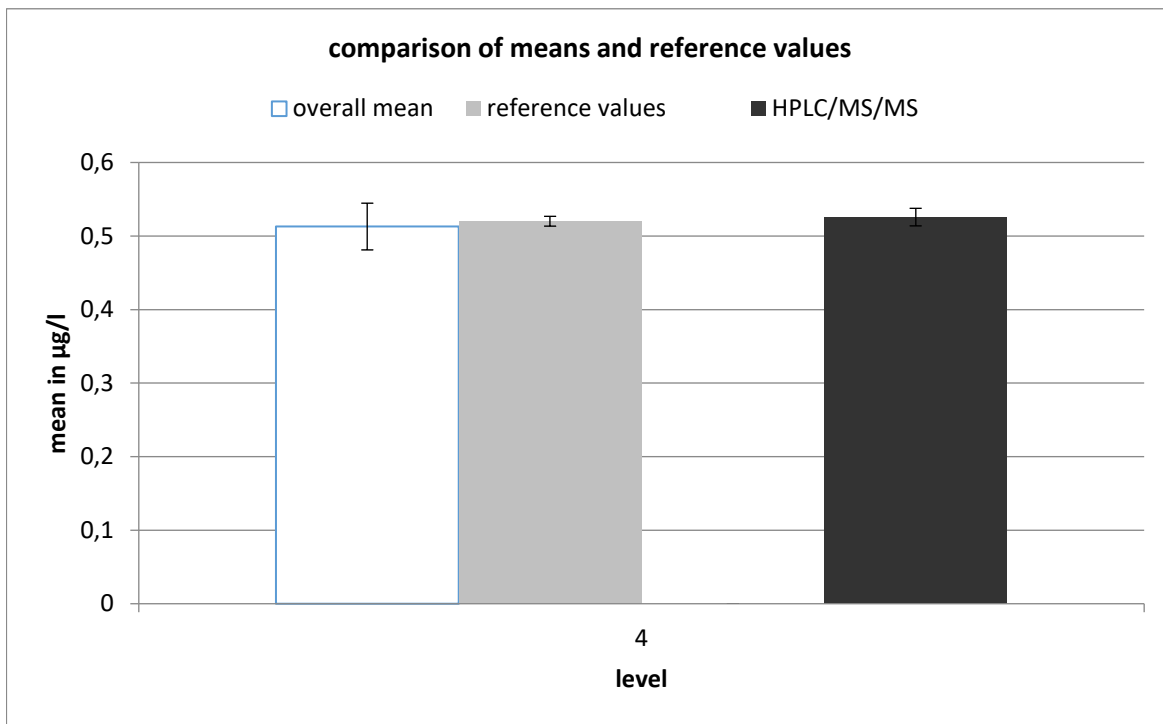
The values determined with HPLC/MS/MS showed the closest statistical distribution.
 The application of HPLC-SPE-UV lead to a high ratio of too low values.

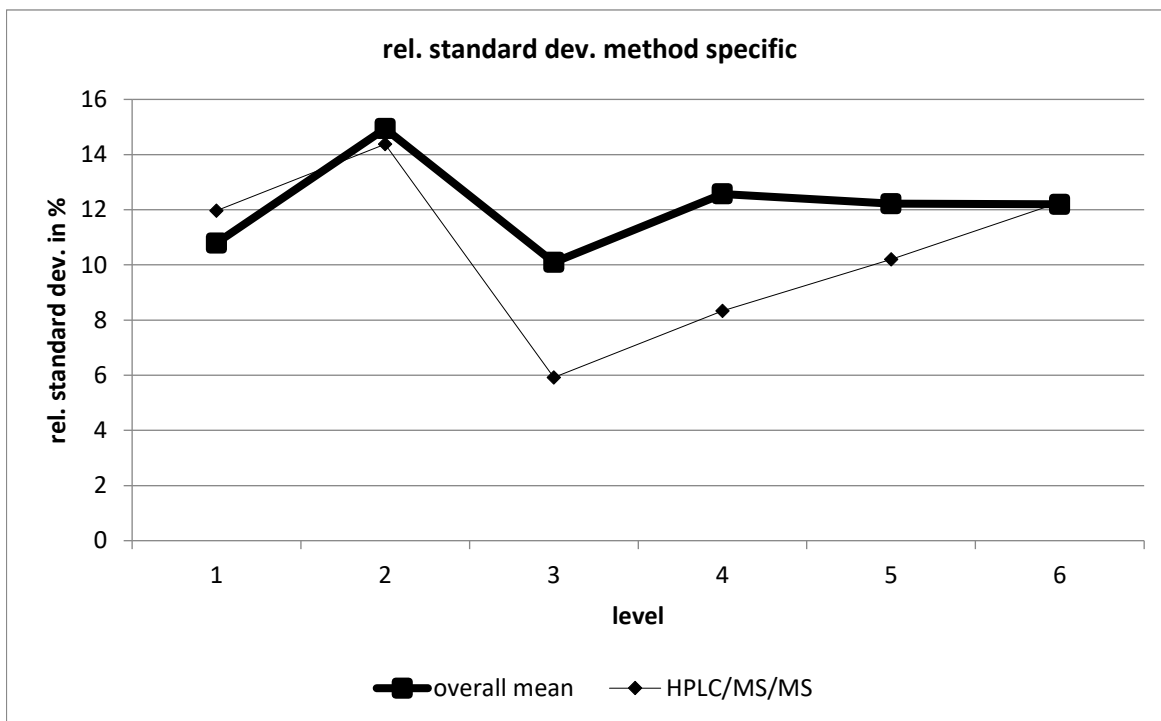
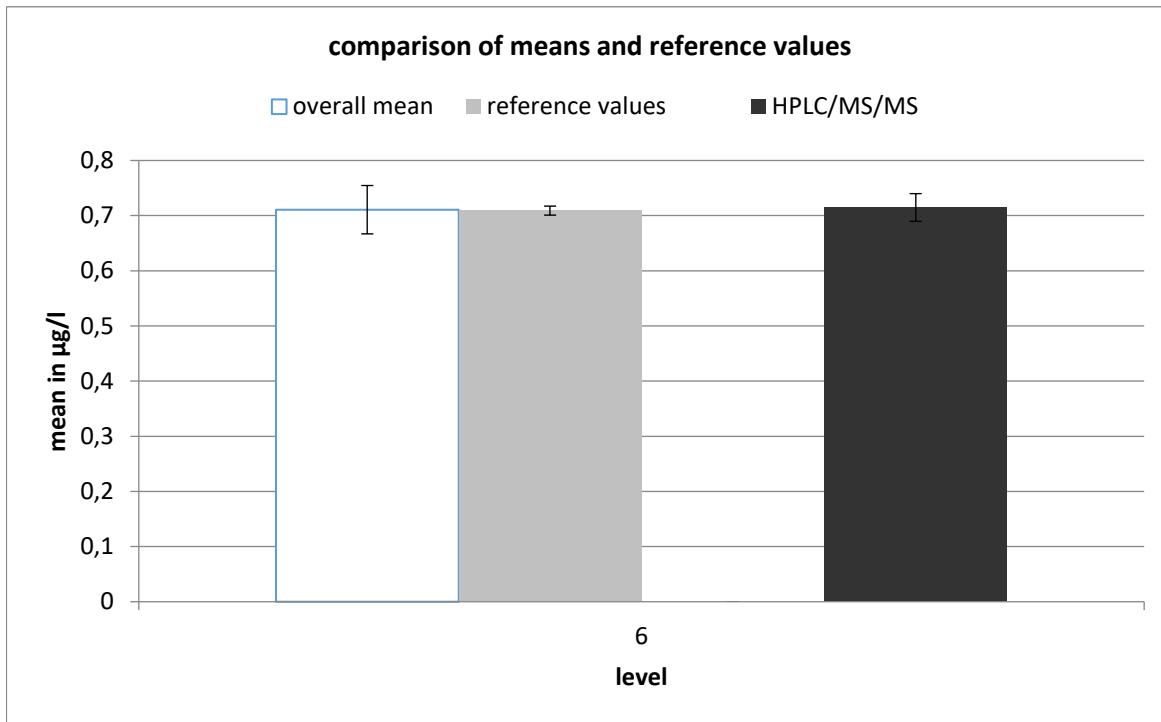
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1235	0,0064	5,2	0,1237	0,0045	3,6
2	0,2408	0,0180	7,5	0,2551	0,0050	2,0
3	0,3440	0,0170	4,9	0,3486	0,0055	1,6
4	0,5129	0,0318	6,2	0,5201	0,0067	1,3
5	0,6561	0,0377	5,7	0,6575	0,0077	1,2
6	0,7107	0,0439	6,2	0,7091	0,0082	1,2







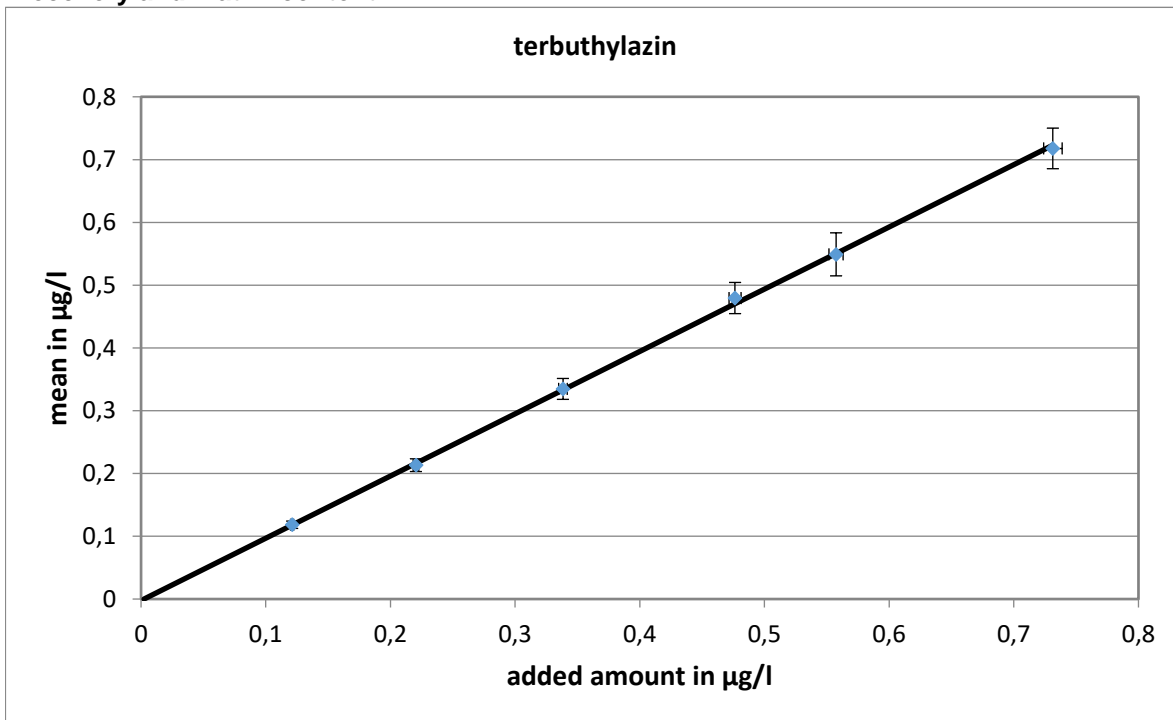


HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,123	0,004	3,265	0,015	11,97	21	2	2	19
2	0,244	0,01	3,921	0,035	14,38	21	2	1	14,3
3	0,345	0,006	1,698	0,02	5,919	19	3	0	15,8
4	0,526	0,012	2,274	0,044	8,338	21	3	0	14,3
5	0,661	0,017	2,55	0,067	10,2	25	3	1	16
6	0,715	0,025	3,517	0,088	12,26	19	1	0	5,26

terbuthylazin

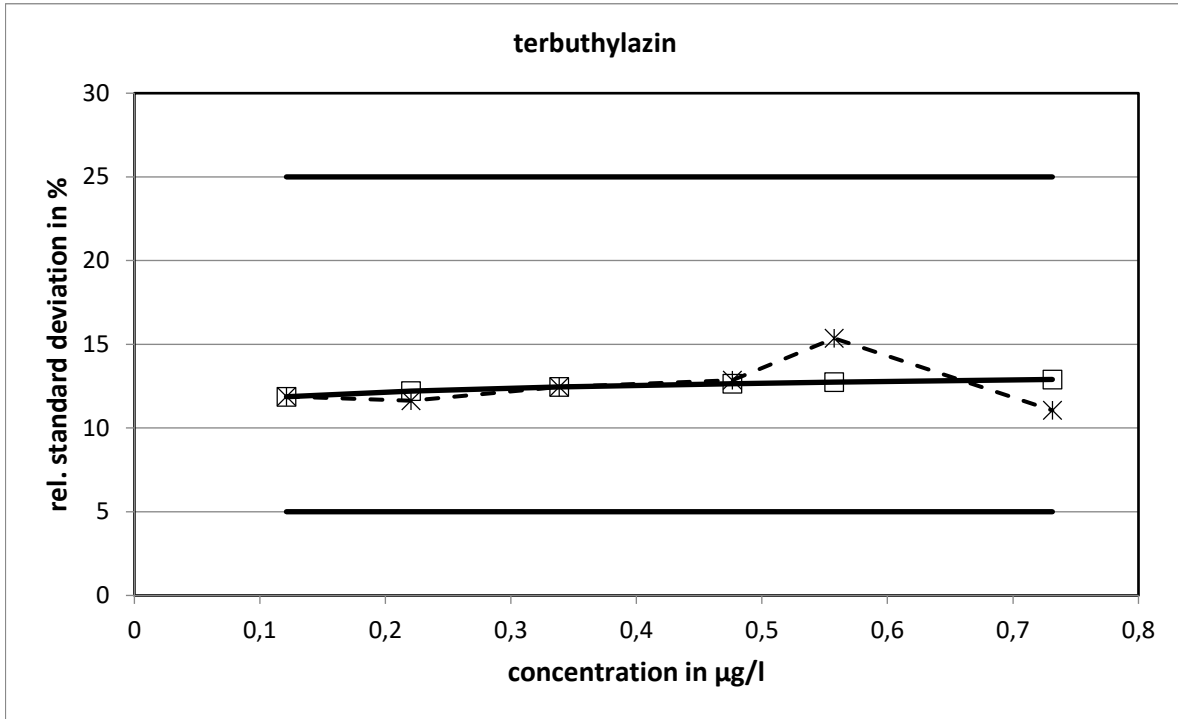
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1212	2,21	0,0144	0,0144	0,0144	11,87	0,1519	0,0939	25,37	-22,47	38	2	0	5,3
2	0,2205	1,48	0,0256	0,0269	0,0269	12,20	0,2781	0,1696	26,12	-23,07	40	2	3	12,5
3	0,3384	1,23	0,0422	0,0421	0,0421	12,45	0,4287	0,2588	26,68	-23,52	40	3	1	10,0
4	0,4764	1,13	0,0612	0,0603	0,0603	12,65	0,6057	0,3627	27,13	-23,88	38	2	2	10,5
5	0,5574	1,10	0,0856	0,0710	0,0710	12,74	0,7098	0,4234	27,34	-24,05	39	2	4	15,4
6	0,7314	1,06	0,0808	0,0944	0,0944	12,90	0,9340	0,5534	27,71	-24,34	39	2	1	7,7
sum											234	13	11	10,3

Recovery and matrix content

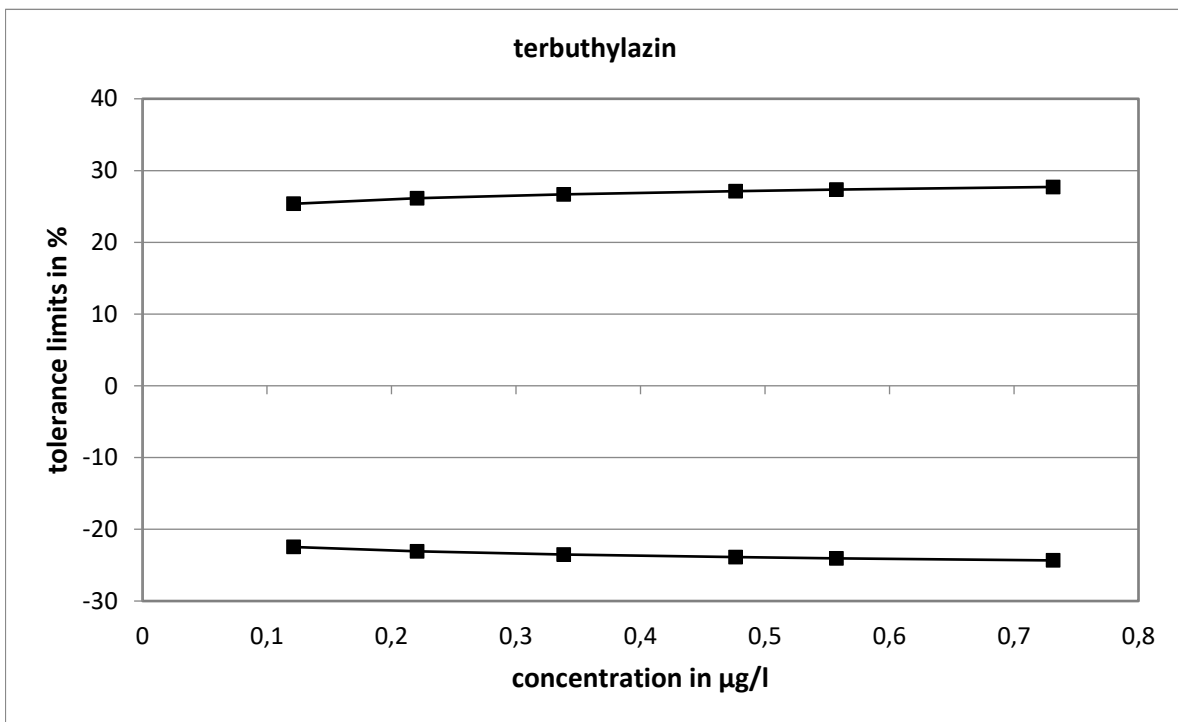


slope of the regression: 0,992; recovery rate: 99,2 %
 neg. x-axis intercept = matrix content: 0 µg/l
 expanded uncertainty of the matrix content: 0,002 µg/l = 0 %

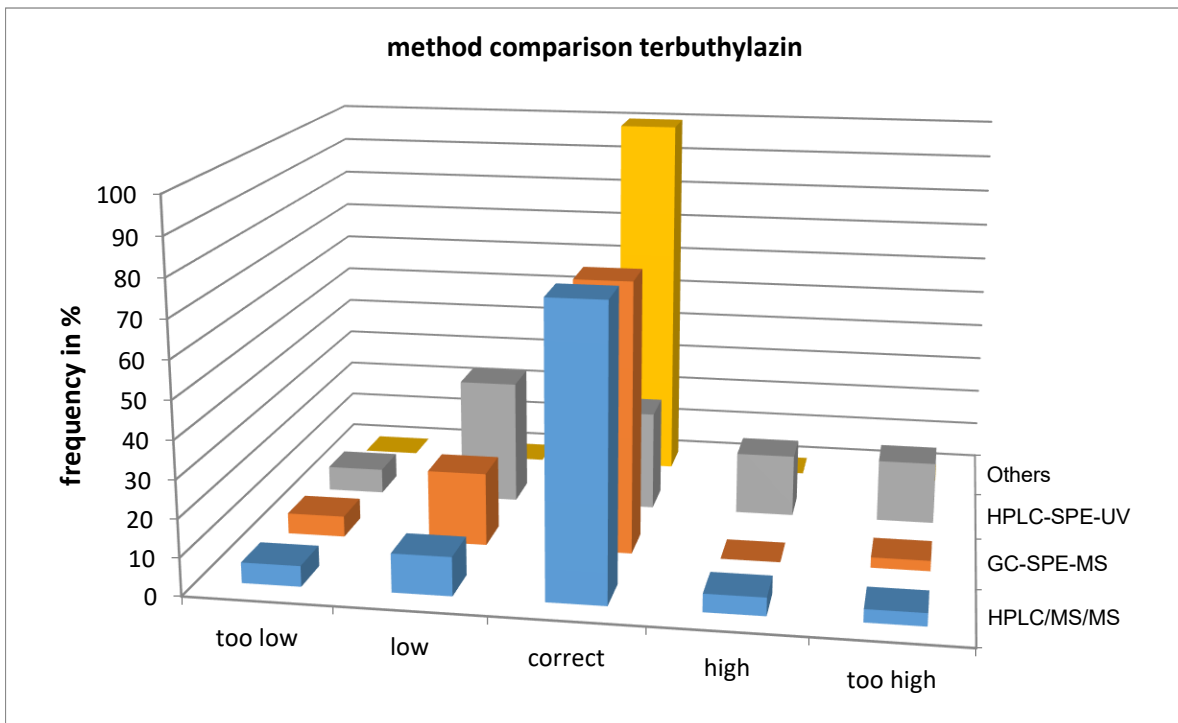
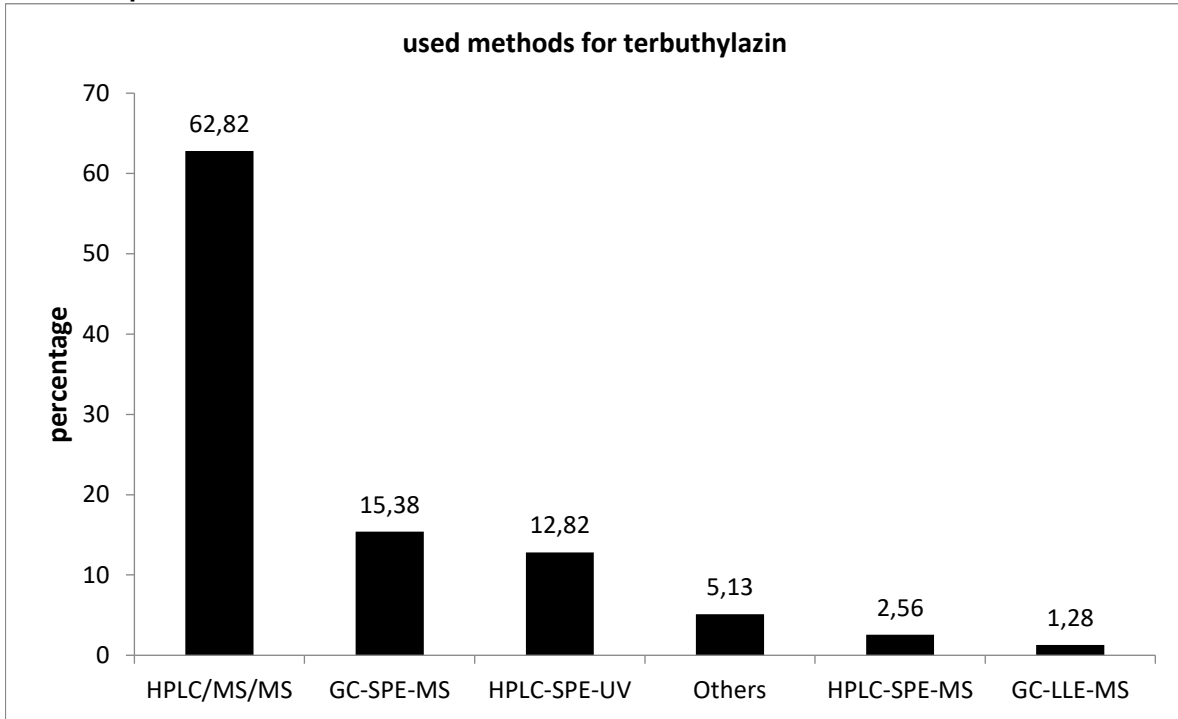
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



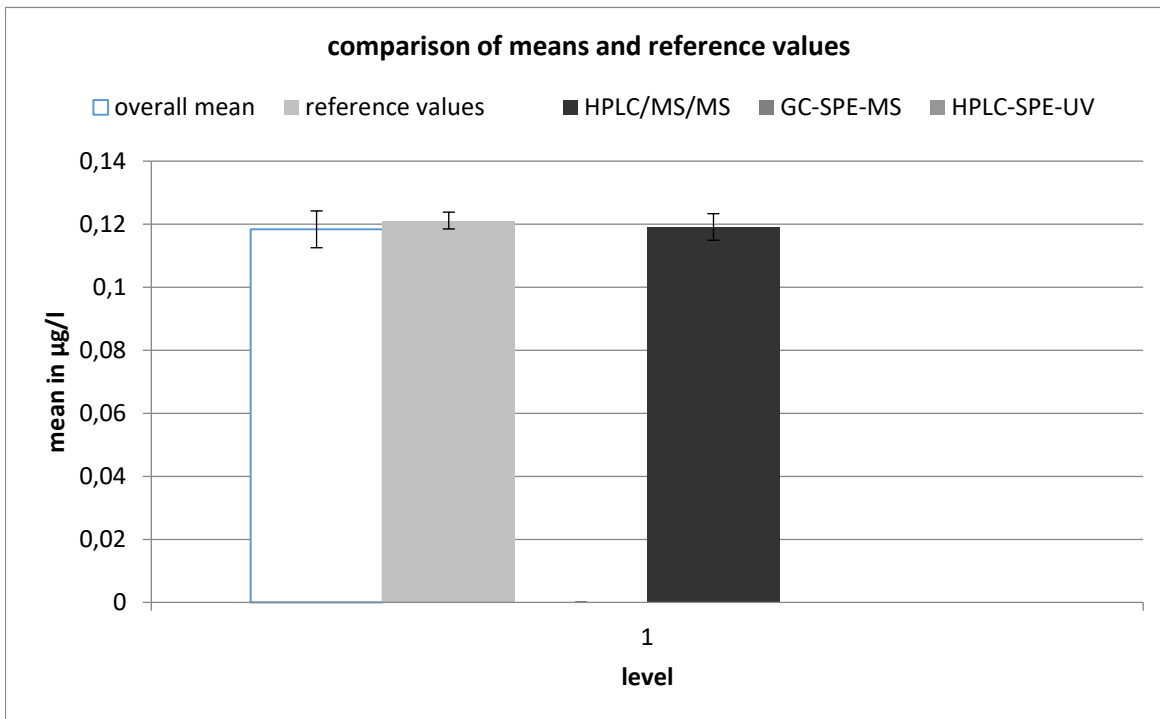
Method specific evaluation

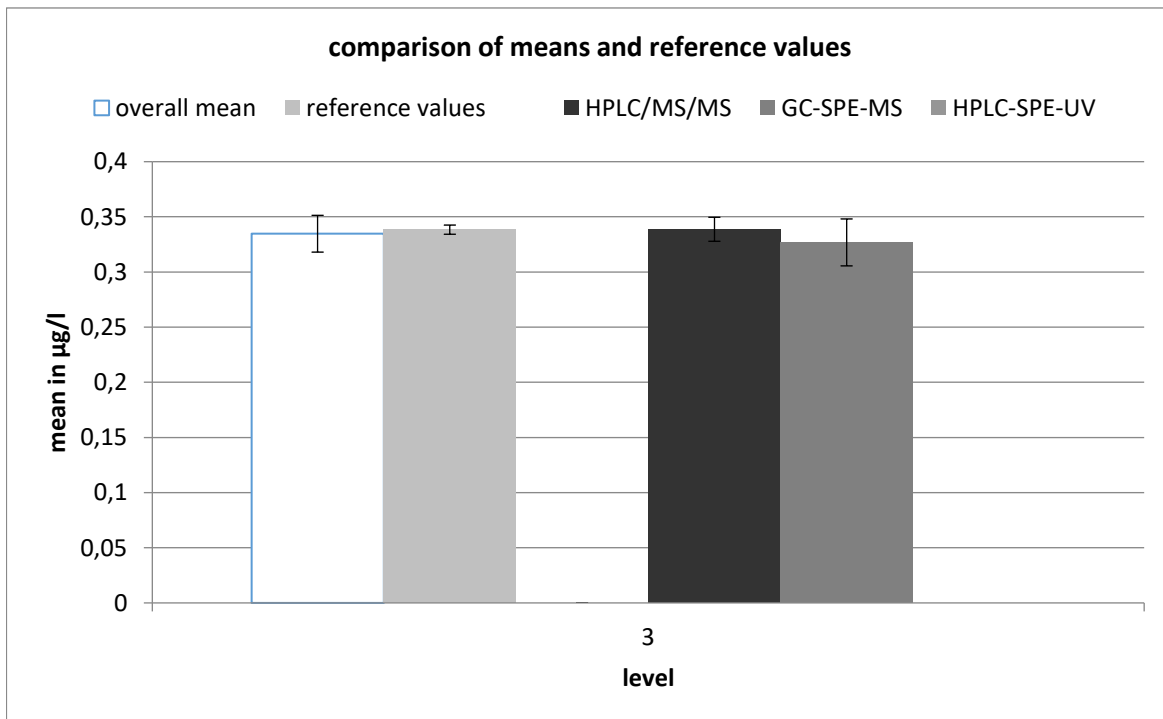
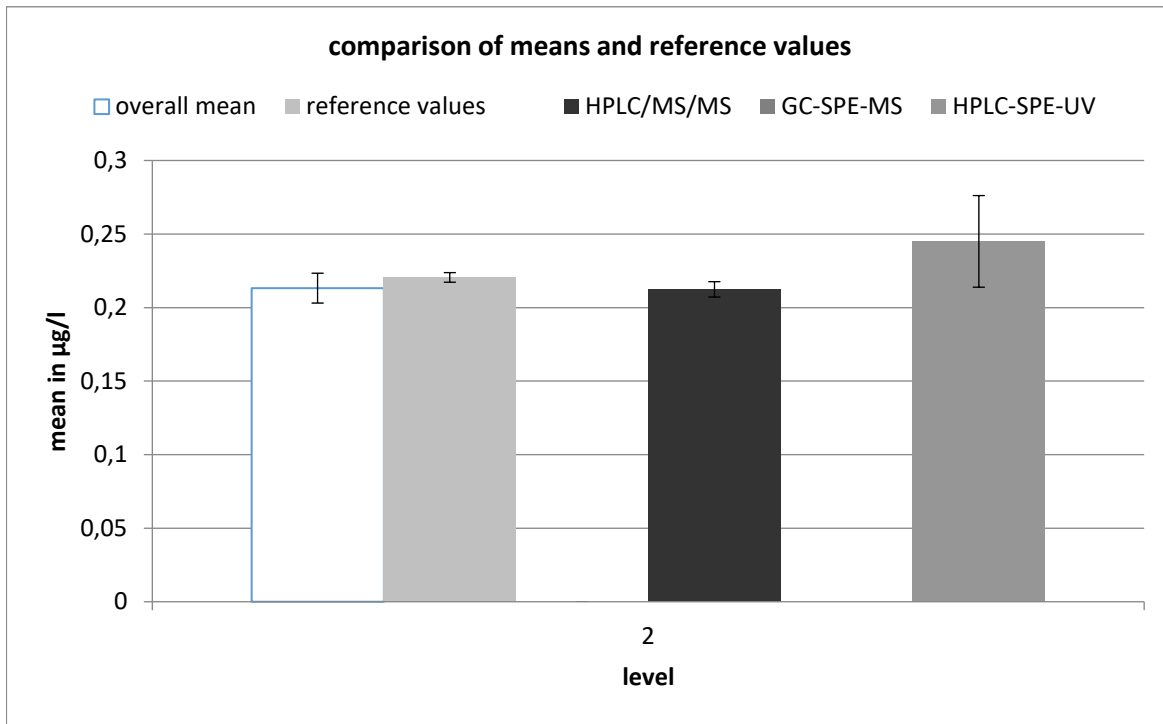


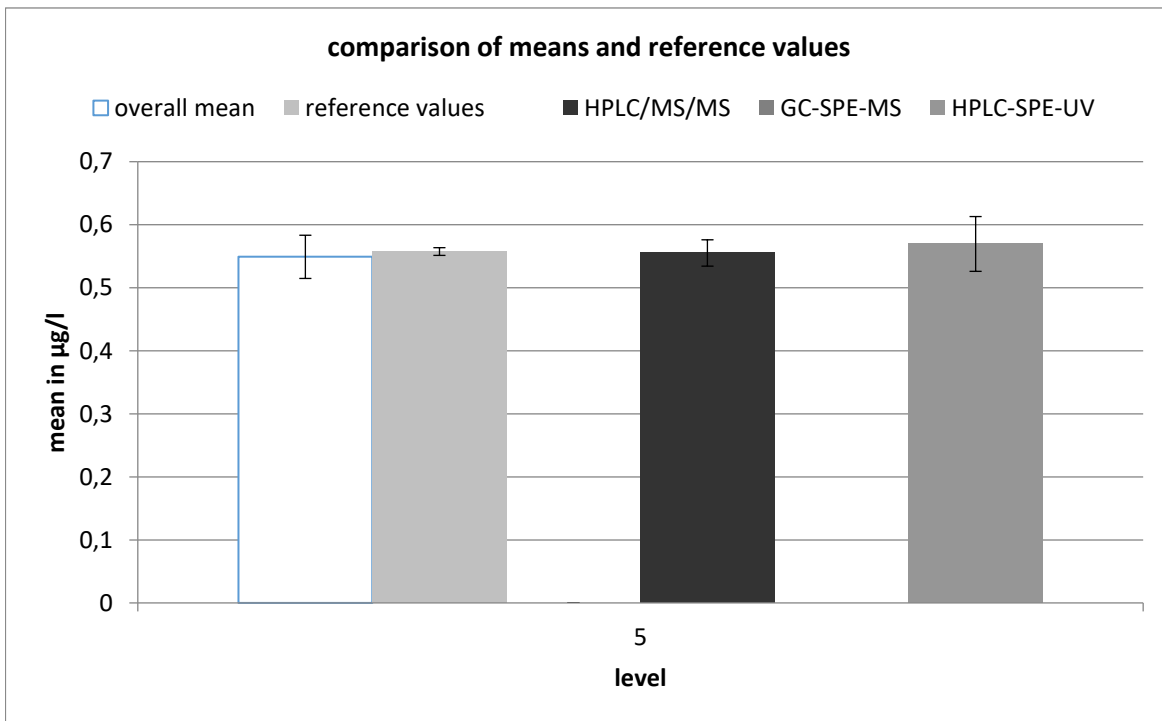
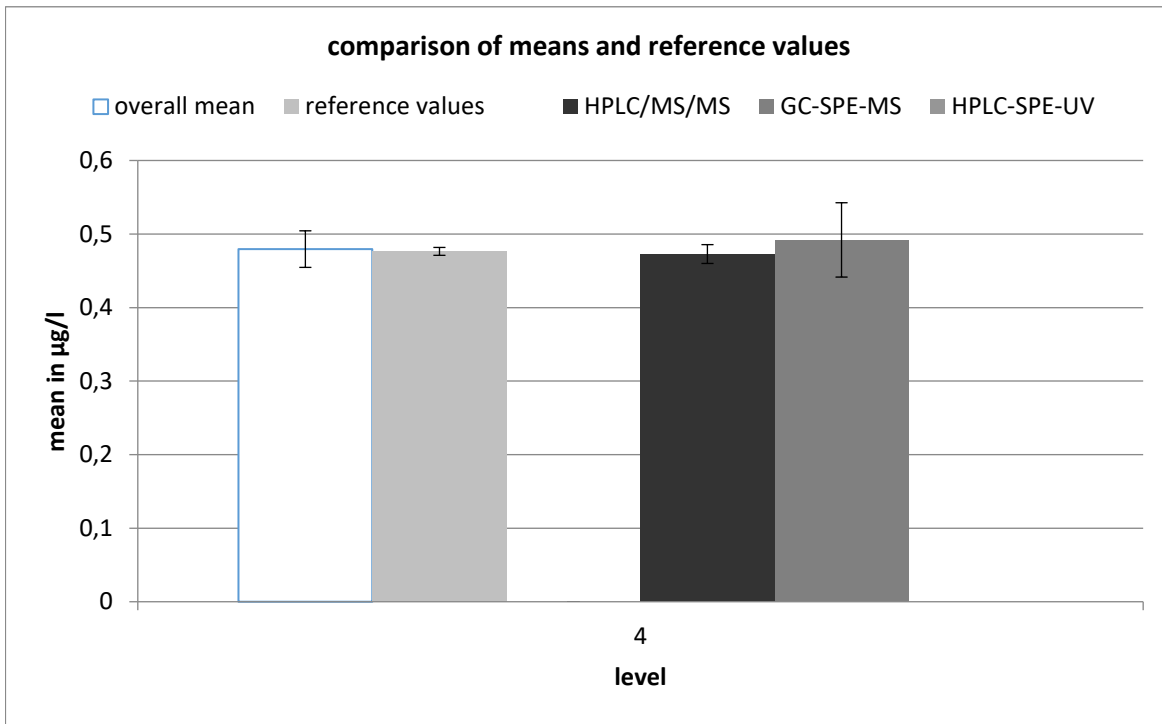
The values determined with HPLC/MS/MS showed the closest statistical distribution.

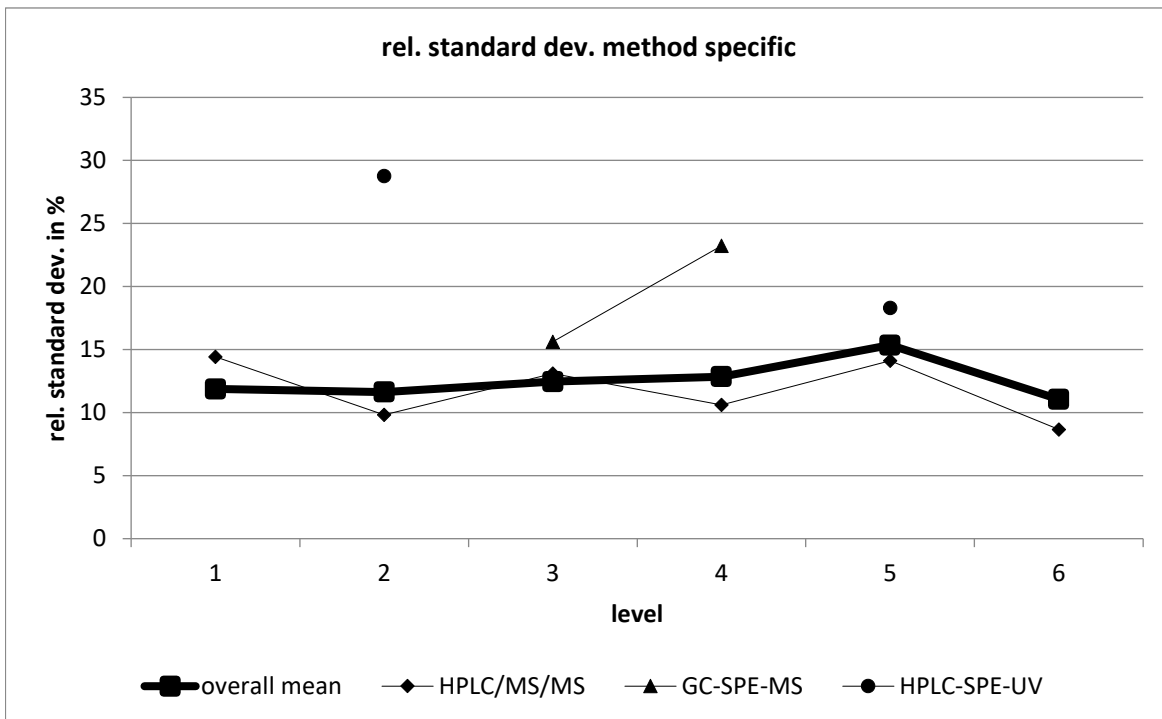
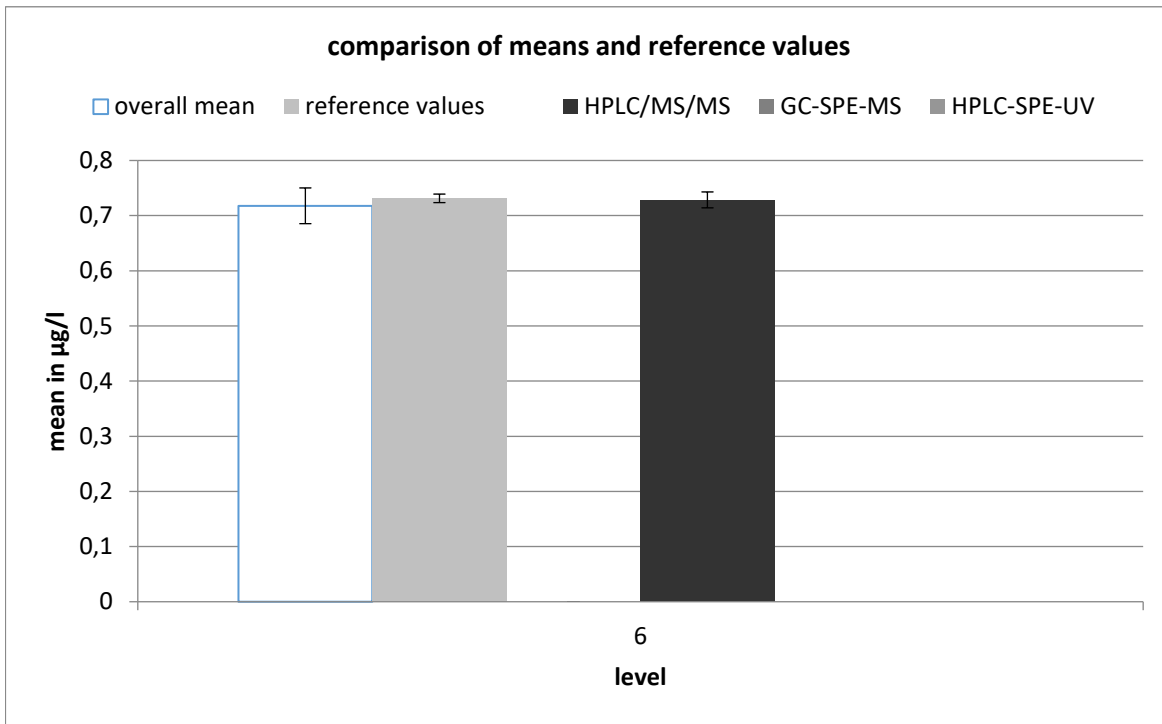
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1184	0,0058	4,9	0,1212	0,0027	2,2
2	0,2132	0,0101	4,8	0,2205	0,0033	1,5
3	0,3347	0,0167	5,0	0,3384	0,0042	1,2
4	0,4795	0,0248	5,2	0,4764	0,0054	1,1
5	0,5490	0,0343	6,2	0,5574	0,0061	1,1
6	0,7178	0,0324	4,5	0,7314	0,0078	1,1









HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,119	0,004	3,536	0,017	14,42	26	1	1	7,69
2	0,212	0,005	2,455	0,021	9,82	25	3	1	16
3	0,339	0,011	3,212	0,044	13,1	26	1	2	11,5
4	0,473	0,013	2,706	0,05	10,61	24	2	1	12,5
5	0,555	0,021	3,759	0,078	14,11	22	1	2	13,6
6	0,729	0,014	1,978	0,063	8,666	30	2	1	10

GC-SPE-MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
3	0,327	0,021	6,508	0,051	15,62	9	0	1	11,1
4	0,492	0,051	10,27	0,114	23,23	8	0	0	0

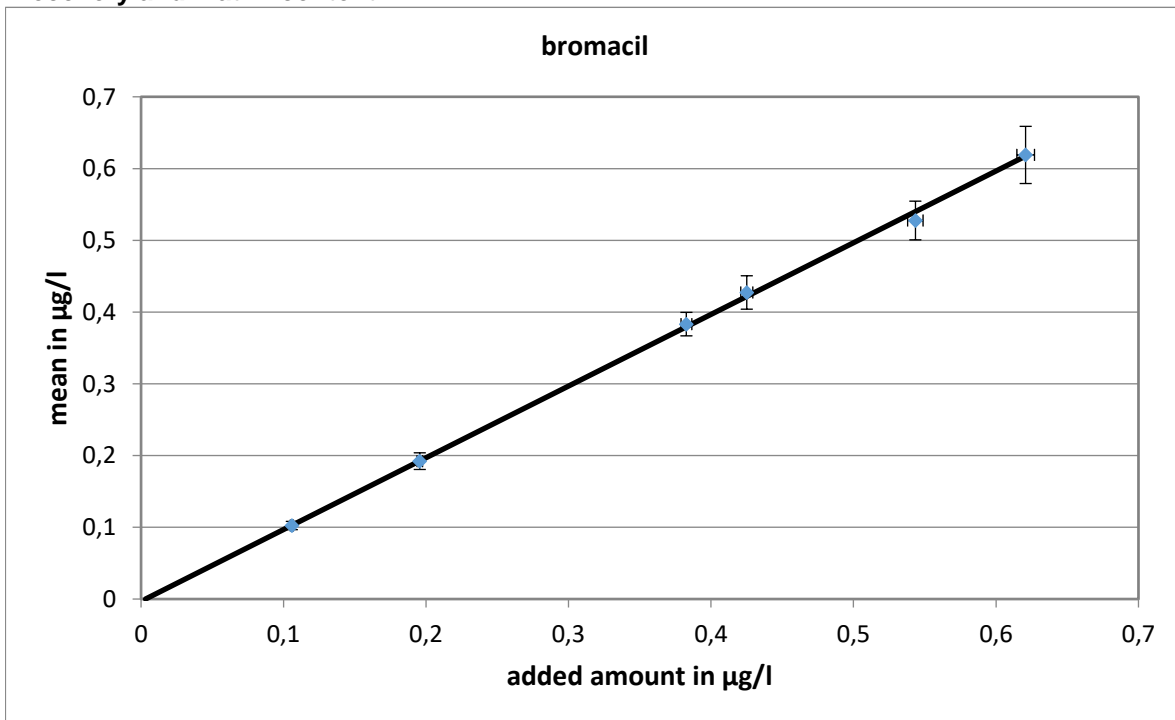
HPLC-SPE-UV

level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
2	0,245	0,031	12,71	0,07	28,76	8	0	0	0
5	0,569	0,043	7,631	0,104	18,31	9	0	0	0

bromacil

level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1058	3,13	0,0136	0,0136	0,0136	12,87	0,1352	0,0802	27,68	-24,26	35	1	2	8,6
2	0,1956	1,89	0,0274	0,0250	0,0250	12,78	0,2493	0,1485	27,46	-24,11	35	2	2	11,4
3	0,3827	1,29	0,0393	0,0486	0,0486	12,69	0,4869	0,2911	27,21	-23,95	36	2	2	11,1
4	0,4251	1,24	0,0551	0,0539	0,0539	12,67	0,5407	0,3234	27,18	-23,92	35	2	1	8,6
5	0,5434	1,15	0,0630	0,0687	0,0687	12,64	0,6906	0,4137	27,09	-23,86	34	0	1	2,9
6	0,6209	1,11	0,0943	0,0783	0,0783	12,62	0,7887	0,4729	27,04	-23,83	35	2	1	8,6
sum											210	9	9	8,6

Recovery and matrix content

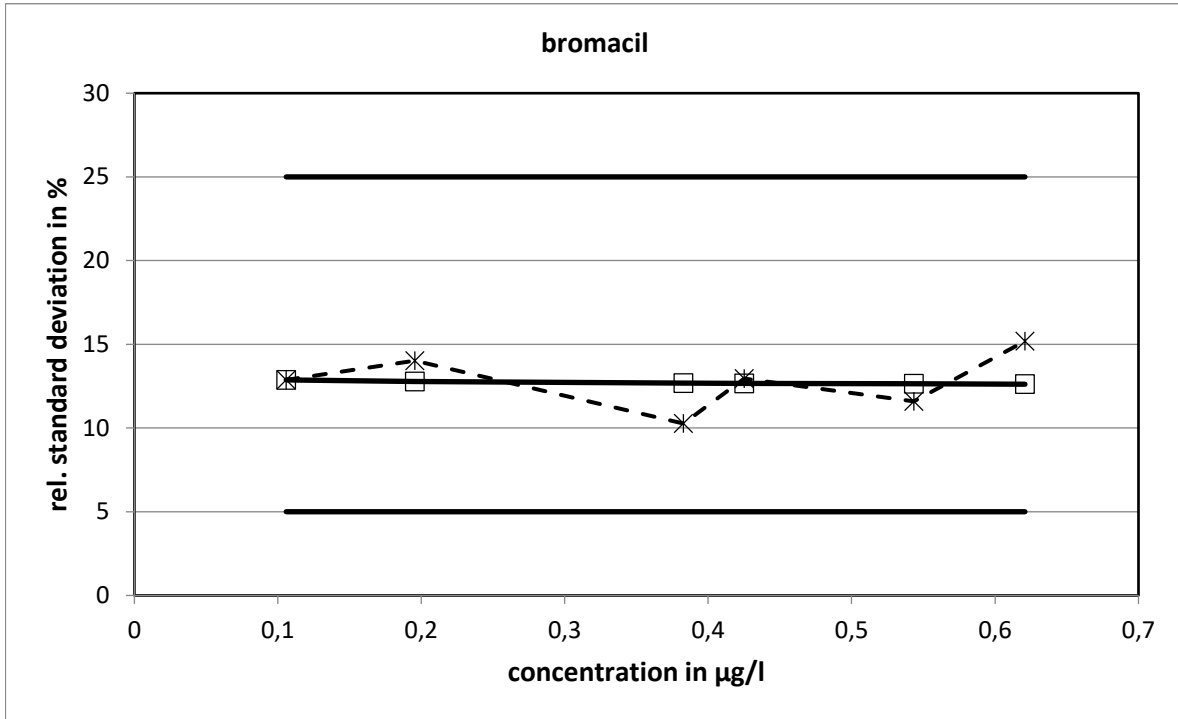


slope of the regression: 0,9995; recovery rate: 99,95 %

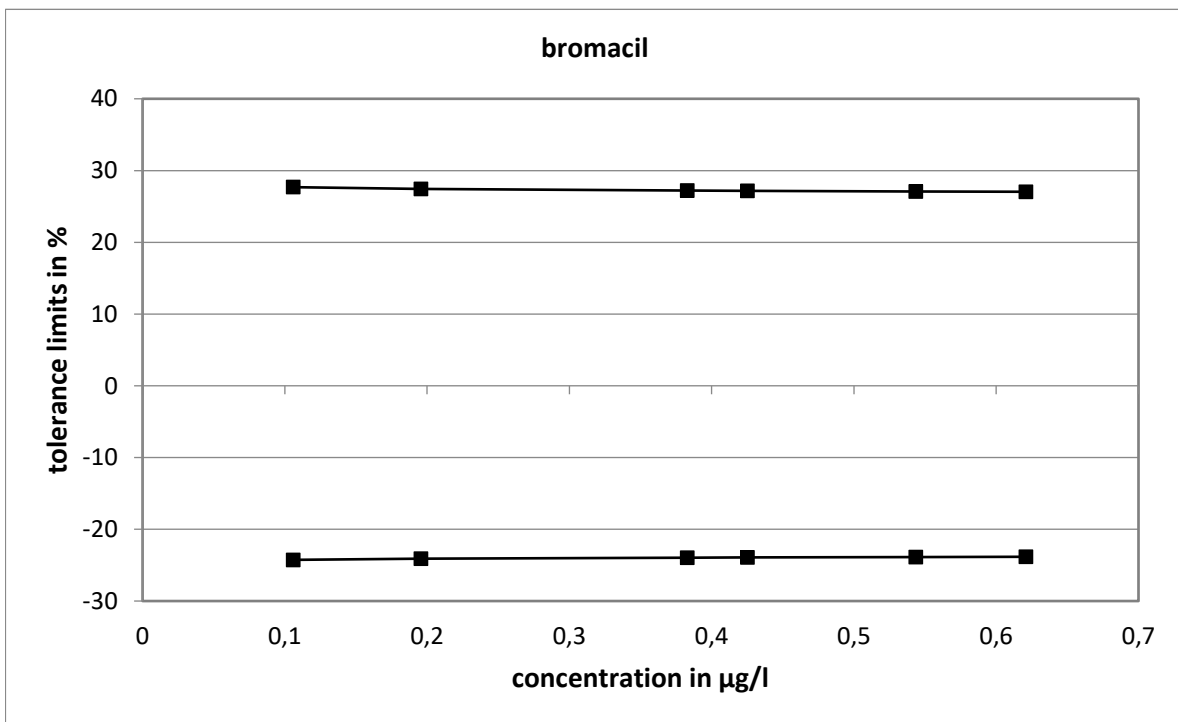
neg. x-axis intercept = matrix content: 0 µg/l

expanded uncertainty of the matrix content: 0,003 µg/l = 0 %

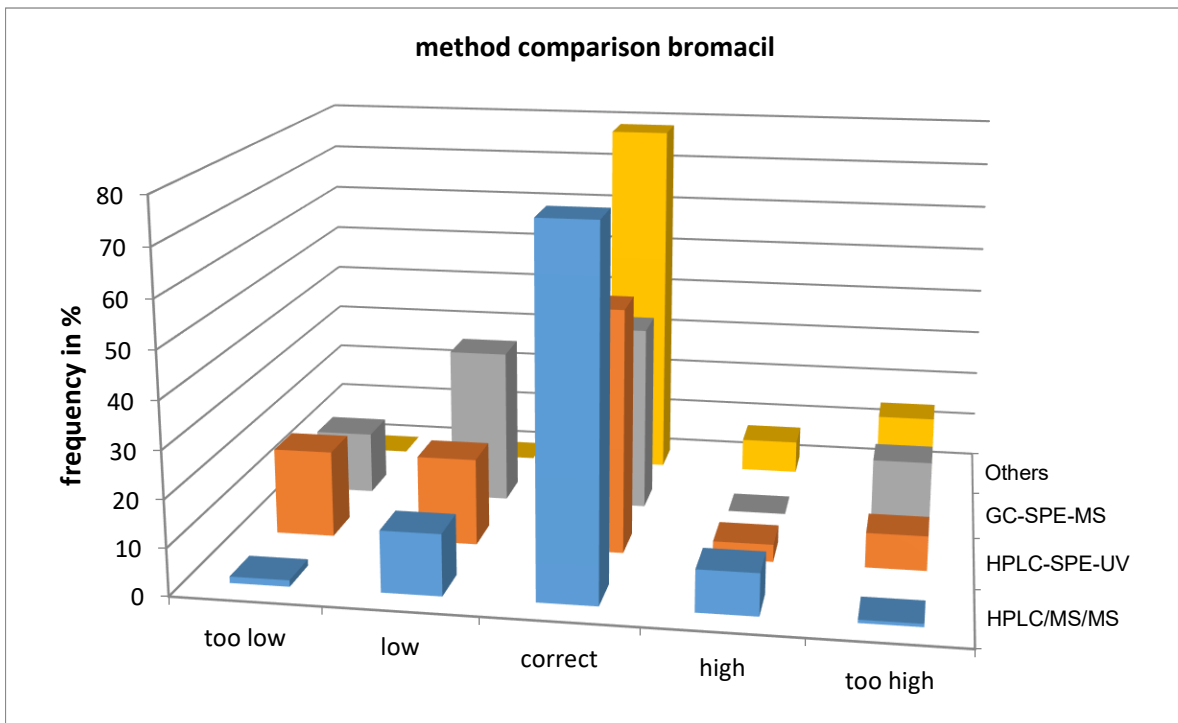
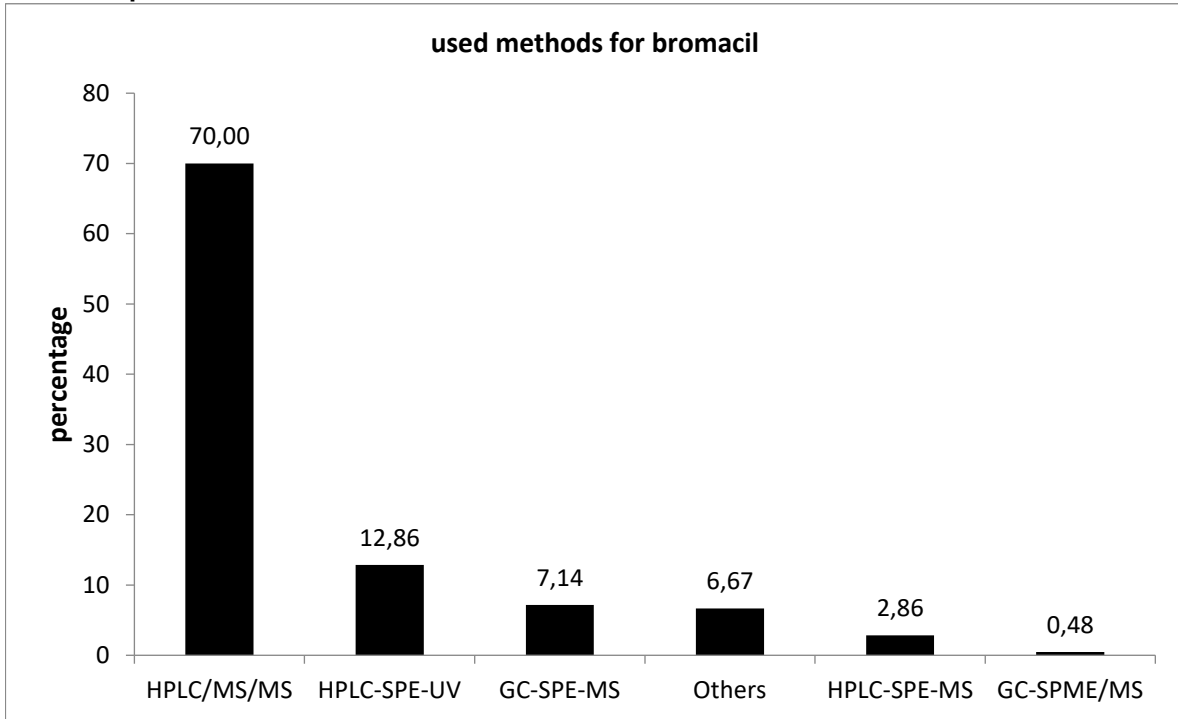
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



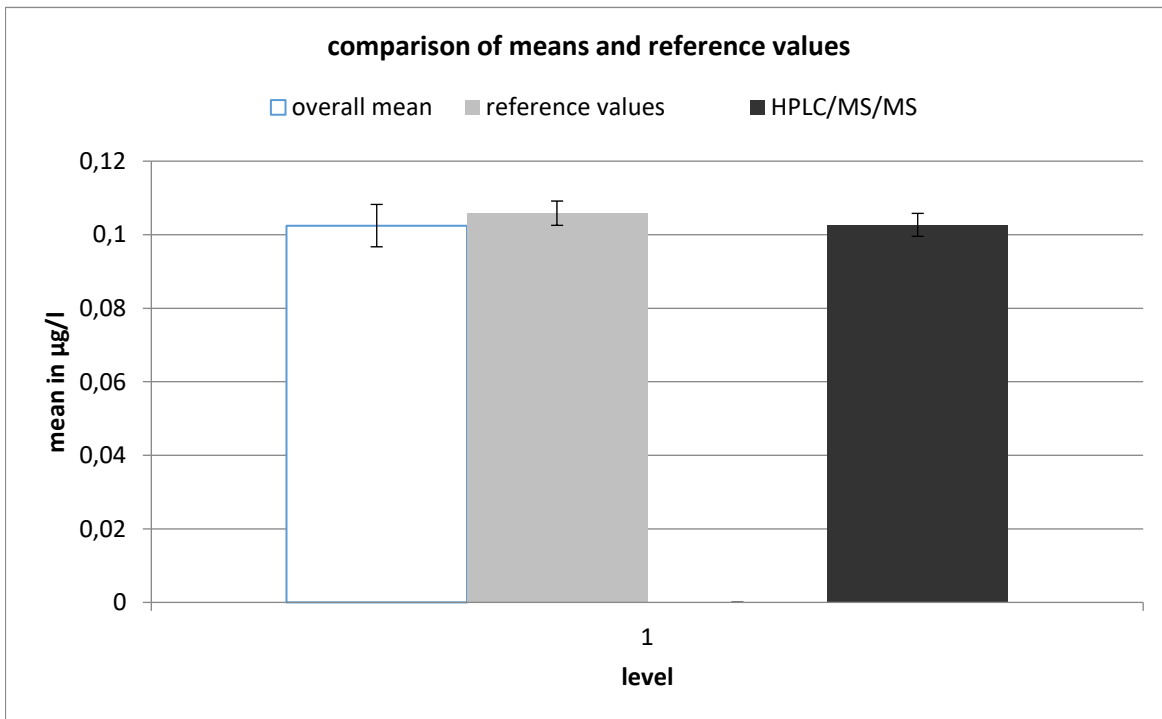
Method specific evaluation

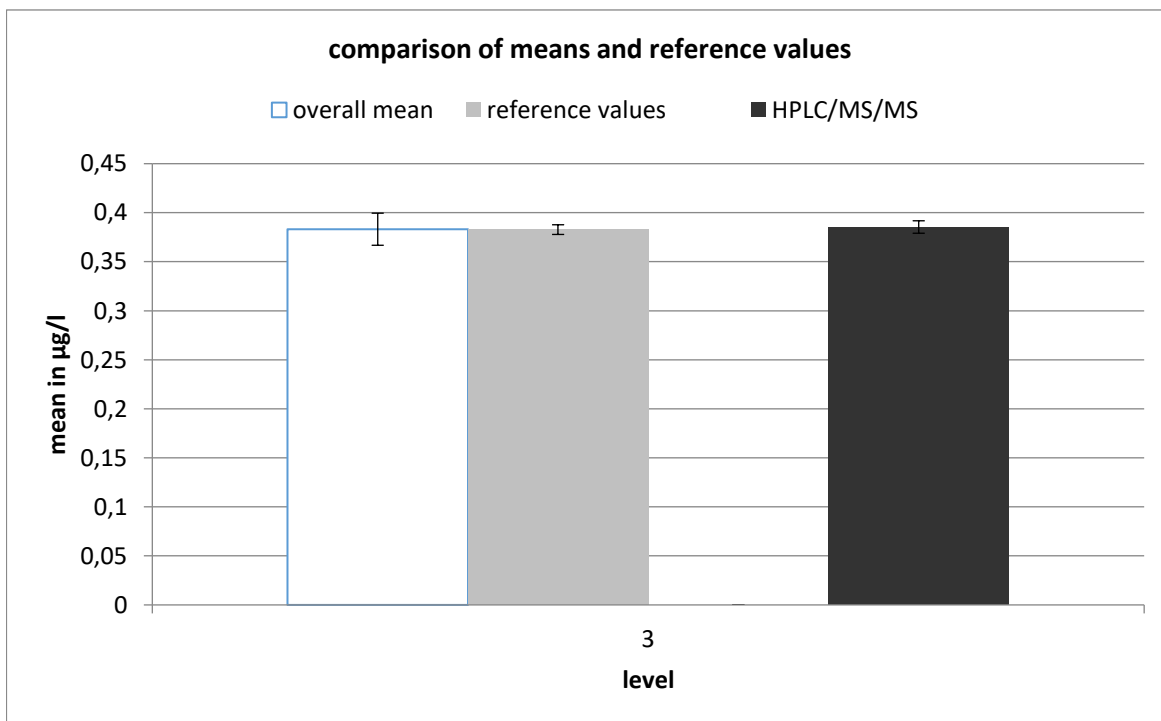
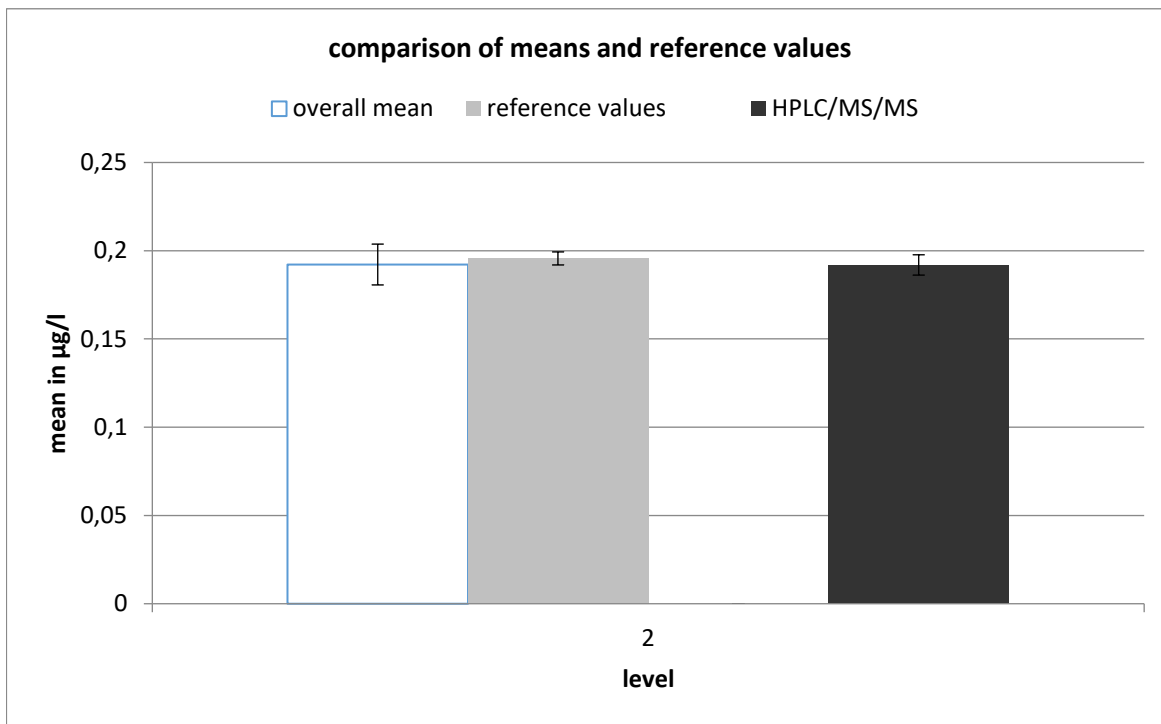


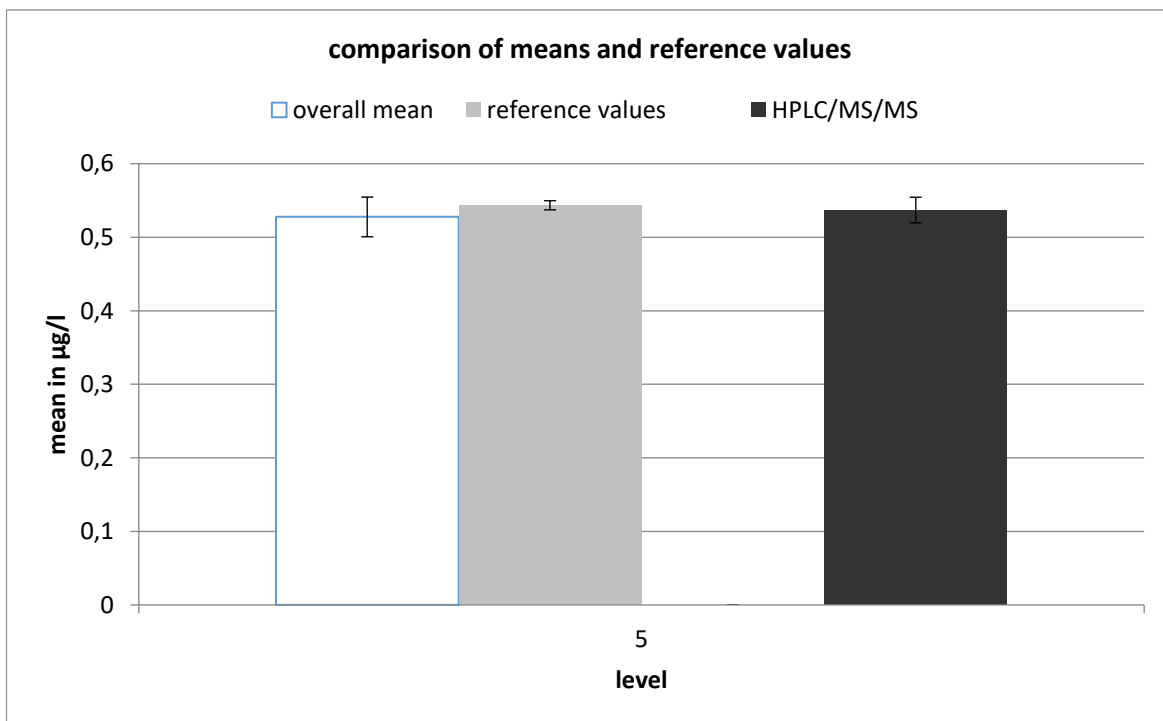
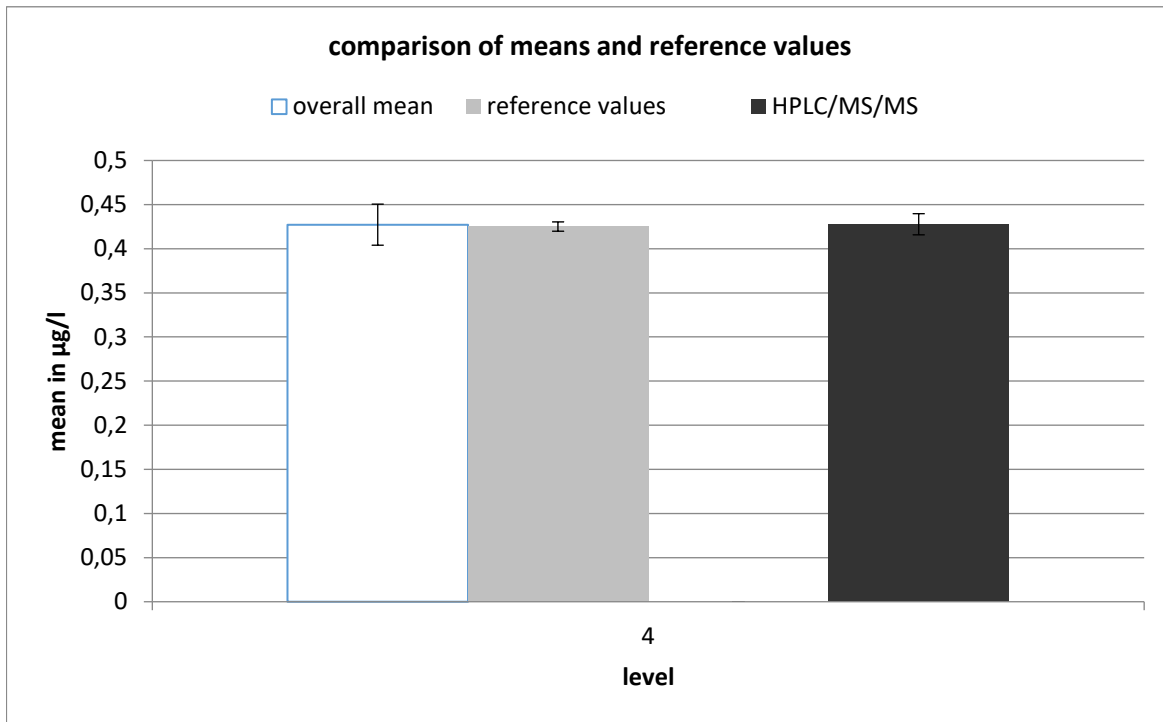
The values determined with HPLC/MS/MS showed the closest statistical distribution.

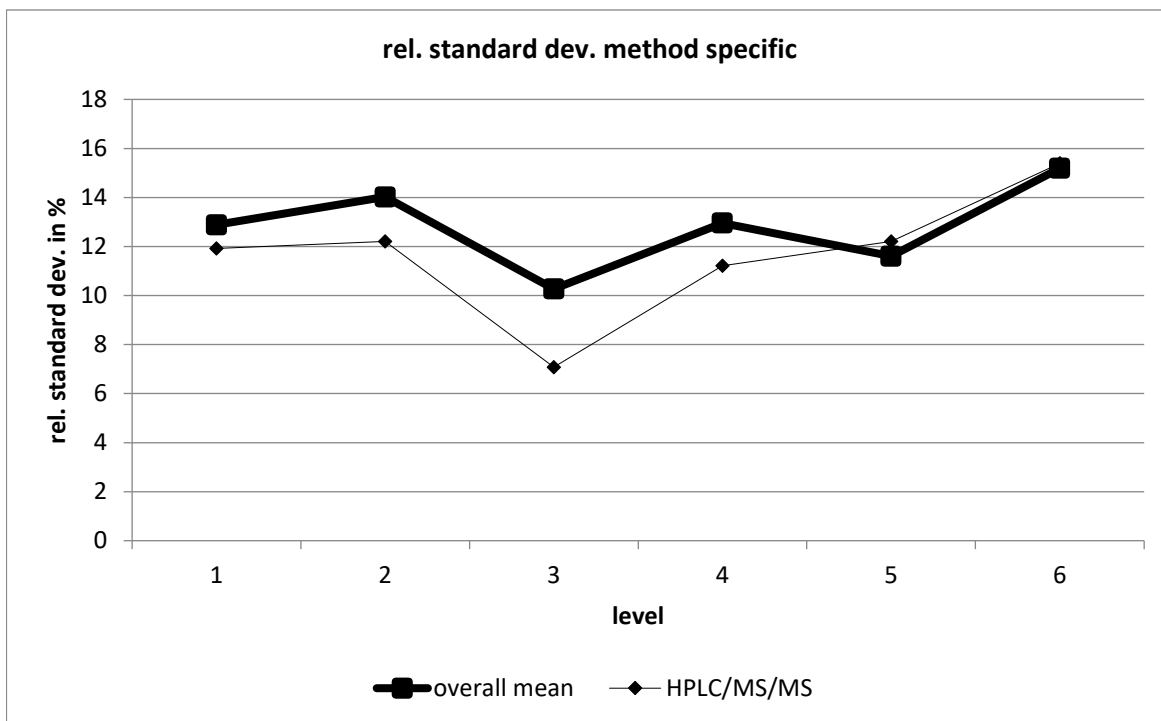
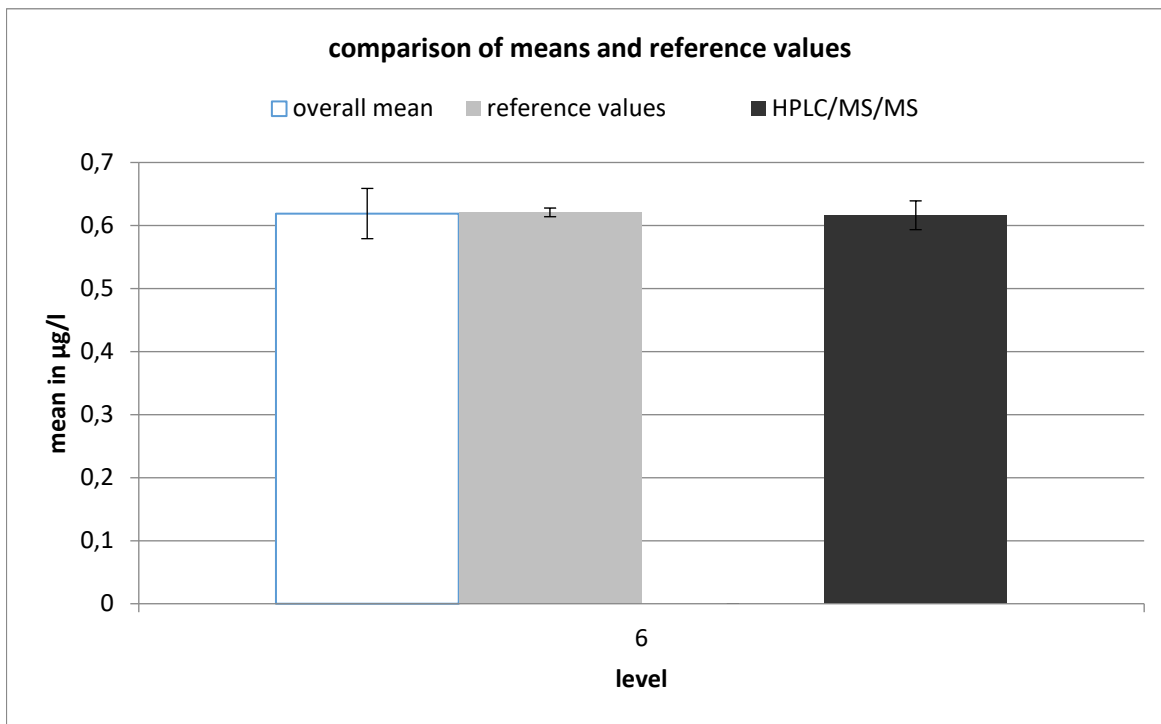
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1025	0,0058	5,6	0,1058	0,0033	3,1
2	0,1922	0,0116	6,0	0,1956	0,0037	1,9
3	0,3832	0,0164	4,3	0,3827	0,0049	1,3
4	0,4273	0,0233	5,4	0,4251	0,0053	1,2
5	0,5276	0,0270	5,1	0,5434	0,0062	1,1
6	0,6190	0,0398	6,4	0,6209	0,0069	1,1







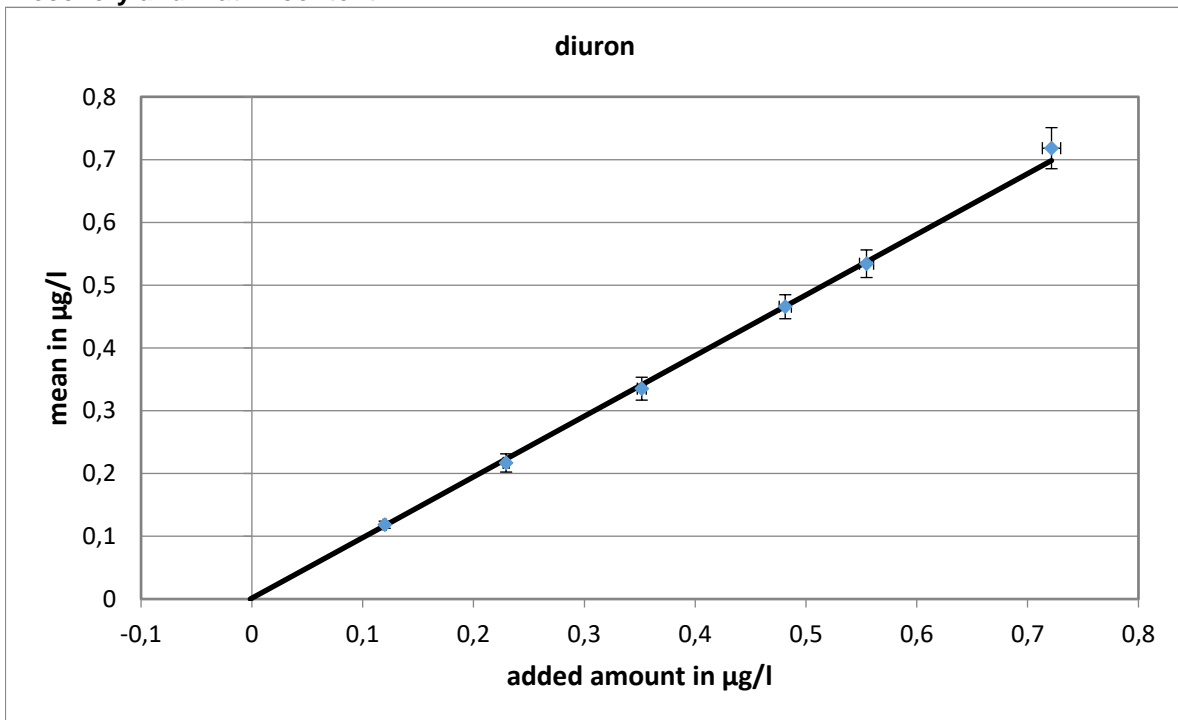


HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,103	0,003	3,041	0,012	11,92	24	1	2	12,5
2	0,192	0,006	2,992	0,023	12,21	26	0	2	7,69
3	0,385	0,006	1,644	0,027	7,081	29	1	1	6,9
4	0,428	0,012	2,802	0,048	11,21	25	0	1	4
5	0,537	0,017	3,254	0,066	12,21	22	0	0	0
6	0,616	0,023	3,703	0,095	15,39	27	2	0	7,41

diuron

level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1199	1,17	0,0142	0,0161	0,0161	13,46	0,1547	0,0895	29,08	-25,30	39	0	3	7,7
2	0,2294	1,15	0,0352	0,0283	0,0283	12,34	0,2901	0,1760	26,46	-23,29	37	3	1	10,8
3	0,3518	1,15	0,0461	0,0410	0,0410	11,65	0,4393	0,2742	24,87	-22,06	40	3	2	12,5
4	0,4813	1,15	0,0459	0,0537	0,0537	11,17	0,5957	0,3793	23,77	-21,19	36	1	1	5,6
5	0,5546	1,15	0,0534	0,0608	0,0608	10,96	0,6838	0,4392	23,29	-20,81	37	1	1	5,4
6	0,7215	1,15	0,0818	0,0763	0,0763	10,58	0,8833	0,5763	22,42	-20,13	39	3	2	12,8
sum											228	11	10	9,2

Recovery and matrix content

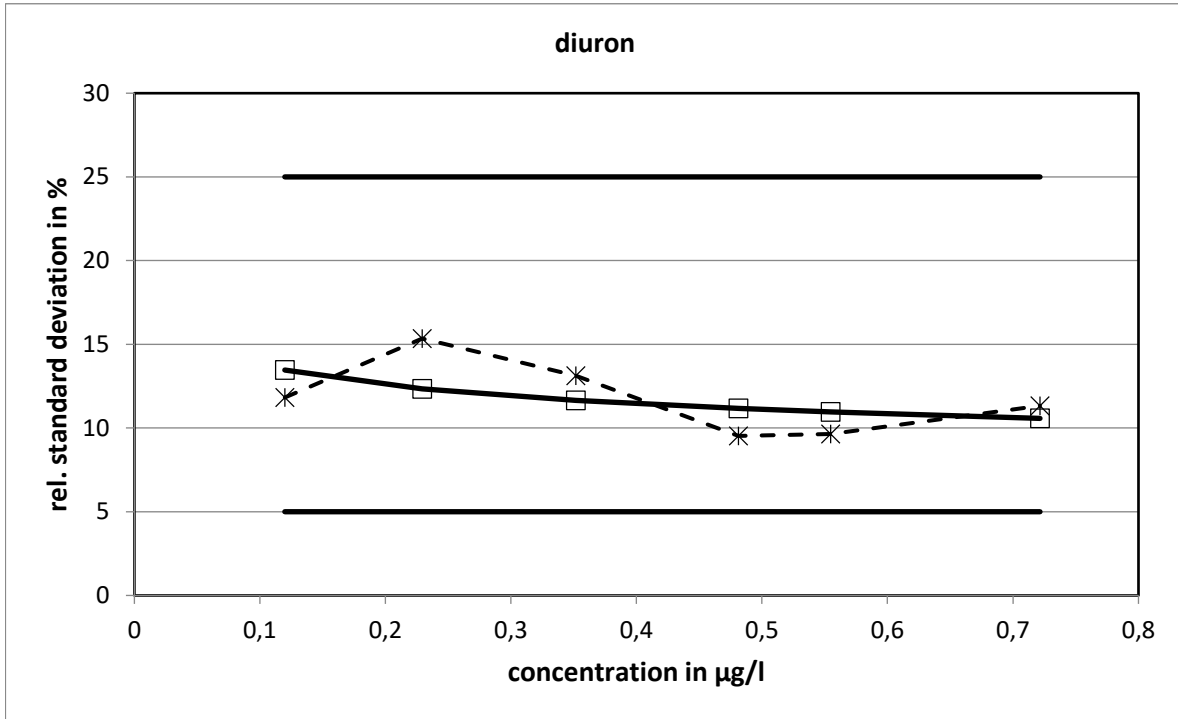


slope of the regression: 0,966; recovery rate: 96,6 %

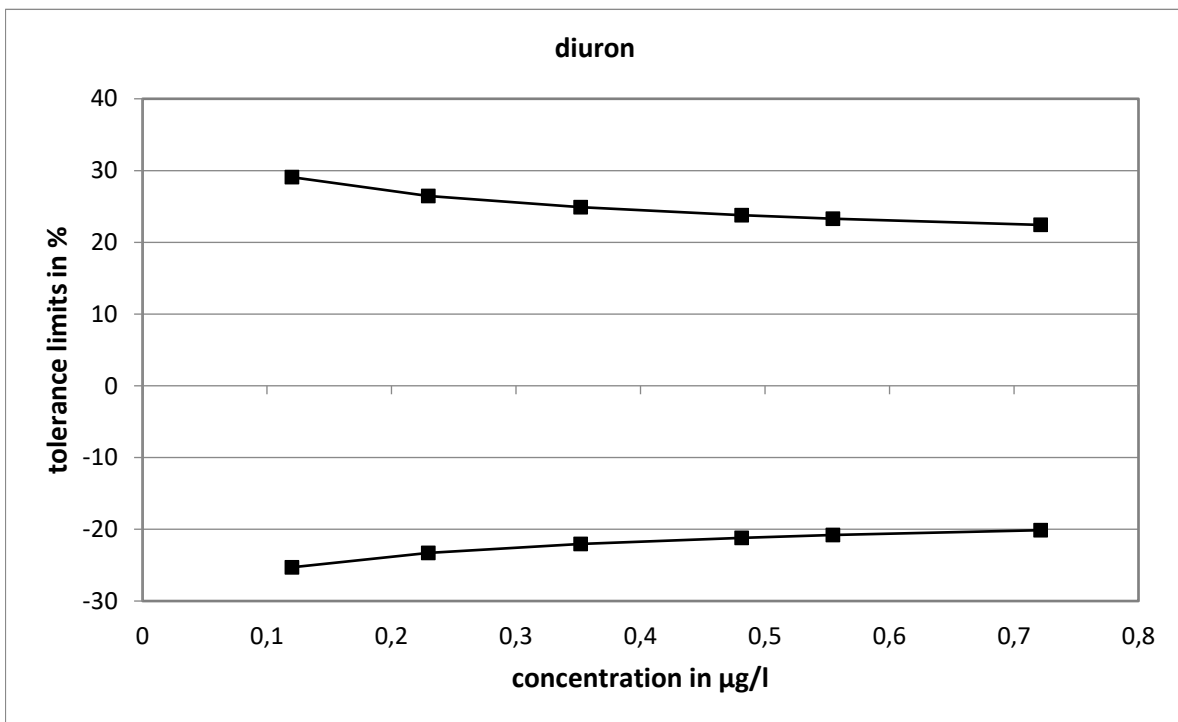
neg. x-axis intercept = matrix content: 0,0014 µg/l

expanded uncertainty of the matrix content: 0,0014 µg/l = 100 %

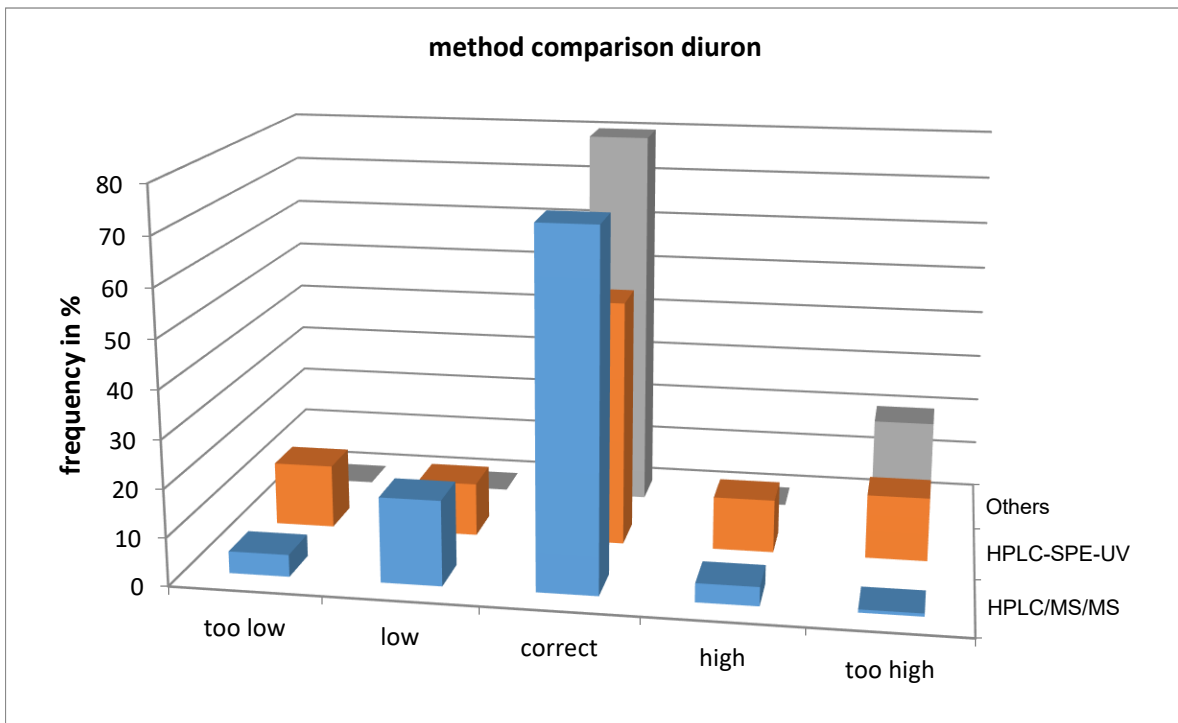
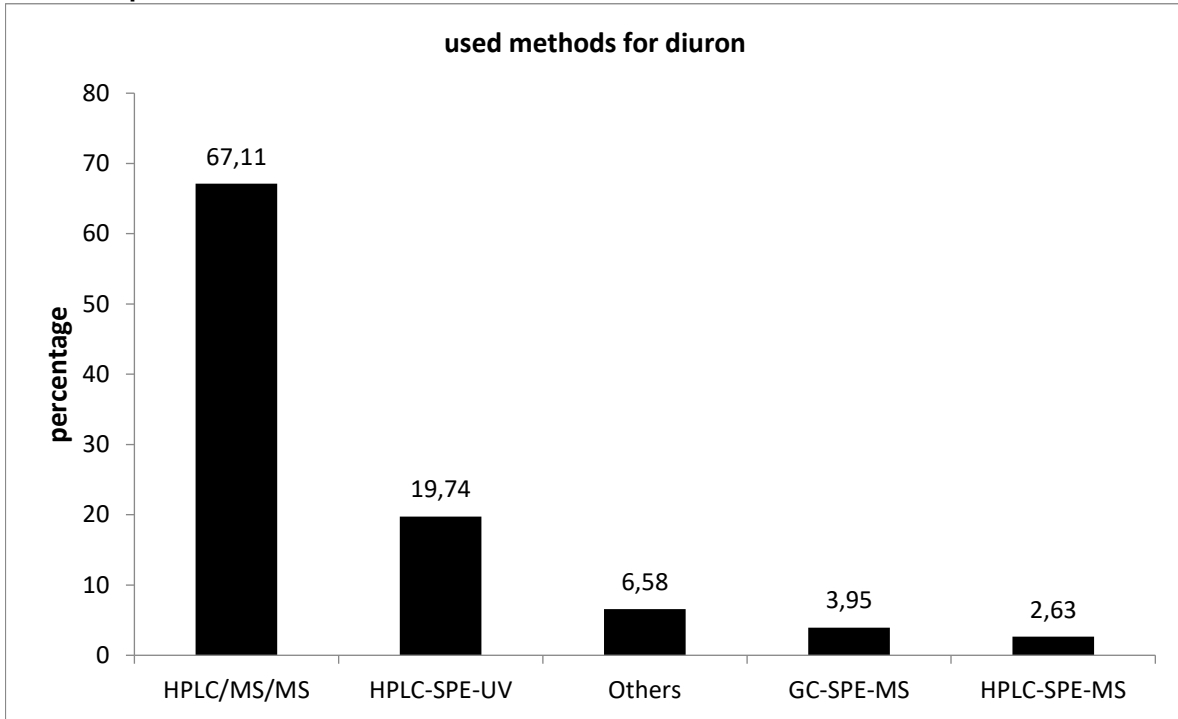
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



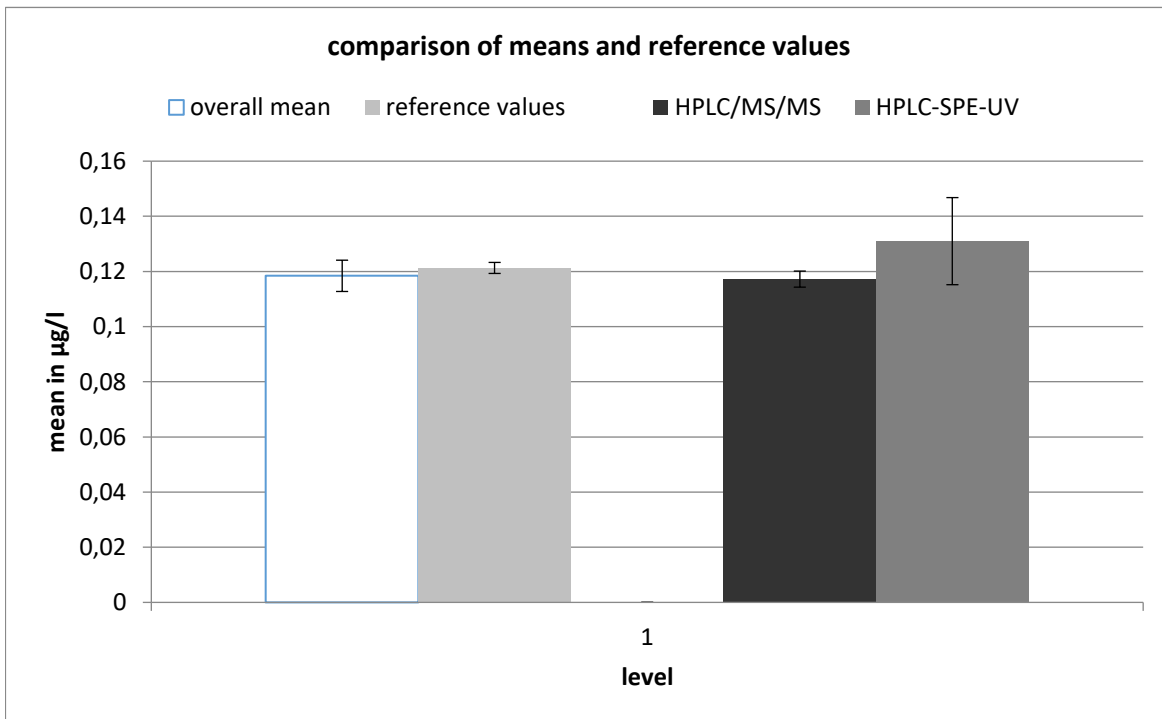
Method specific evaluation

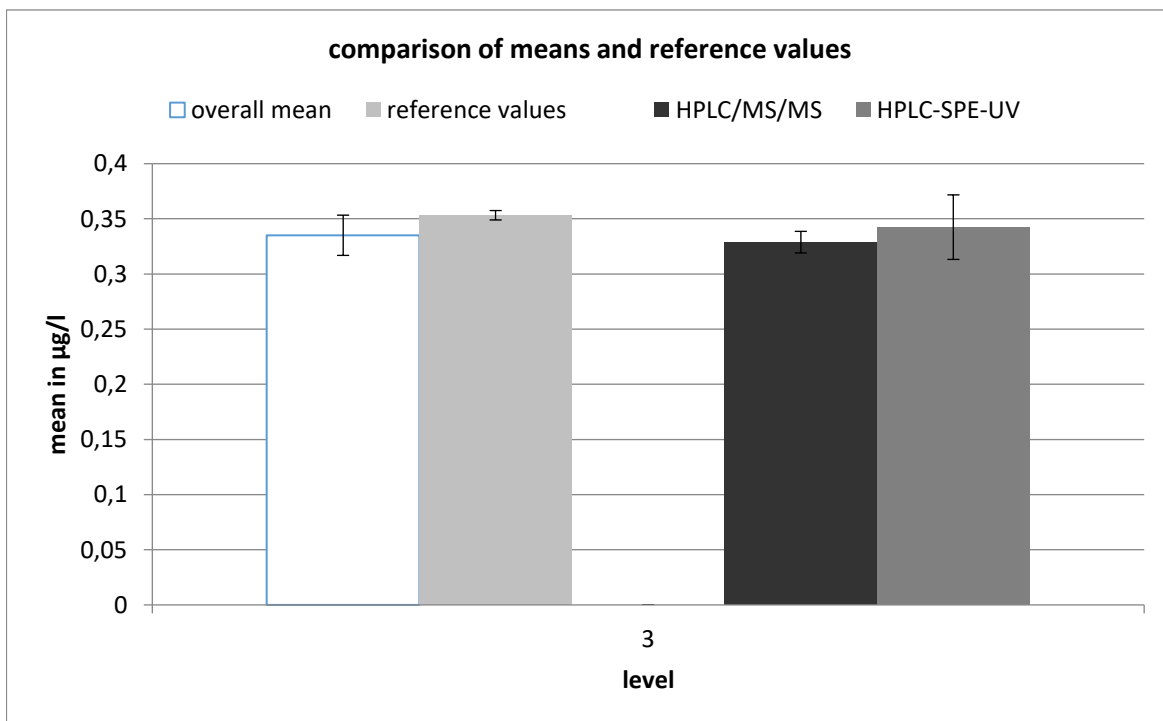
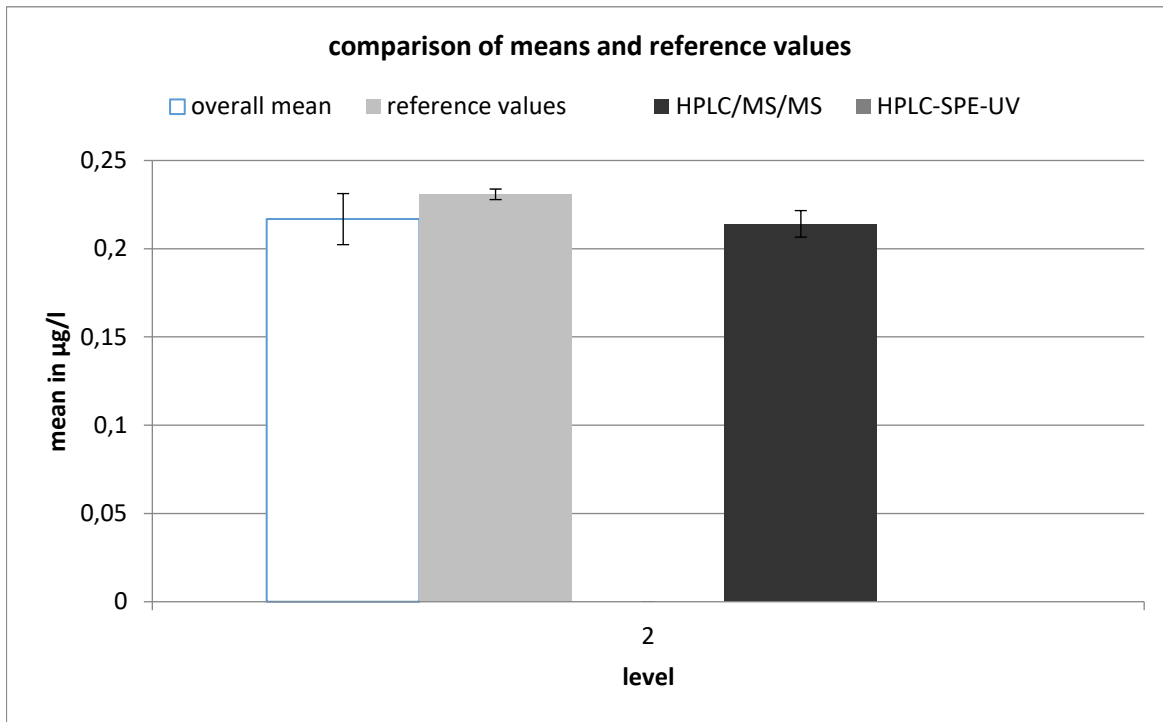


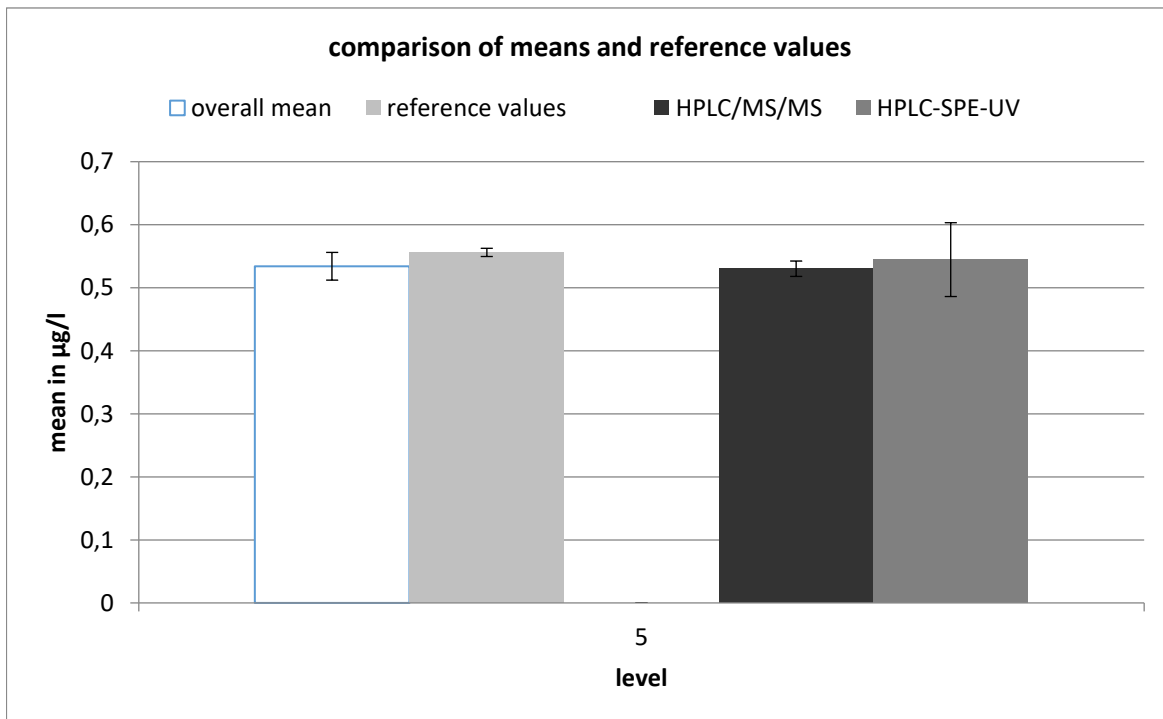
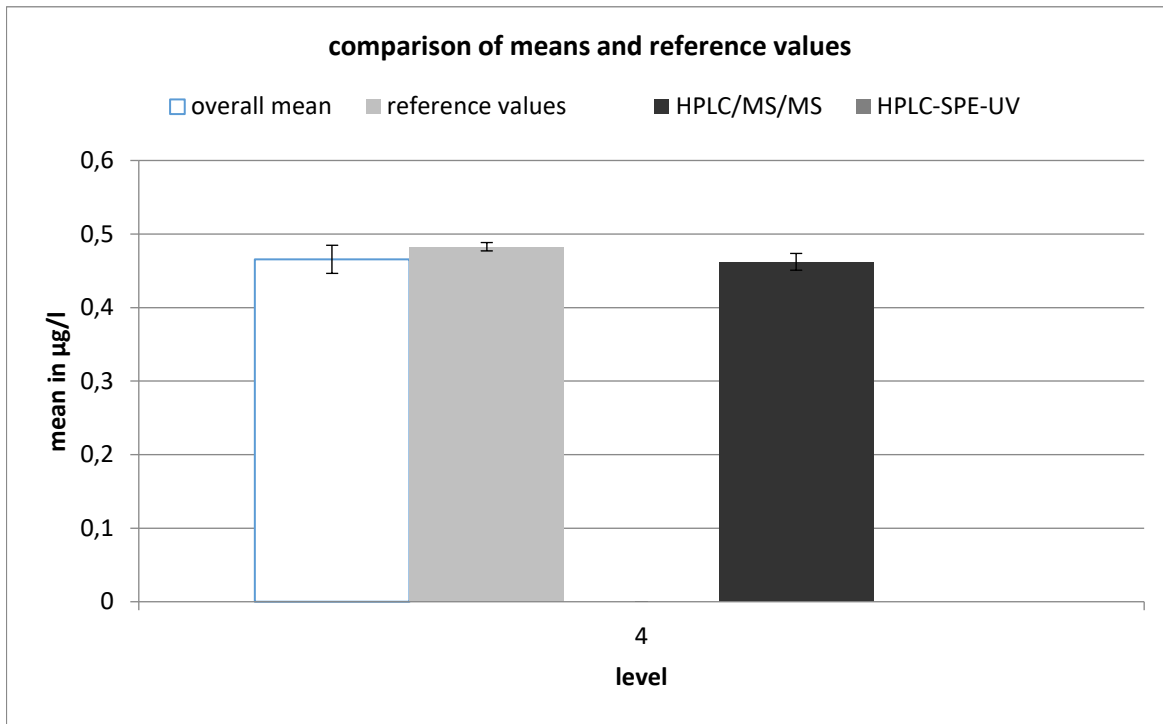
The values determined with HPLC/MS/MS showed the closest statistical distribution.

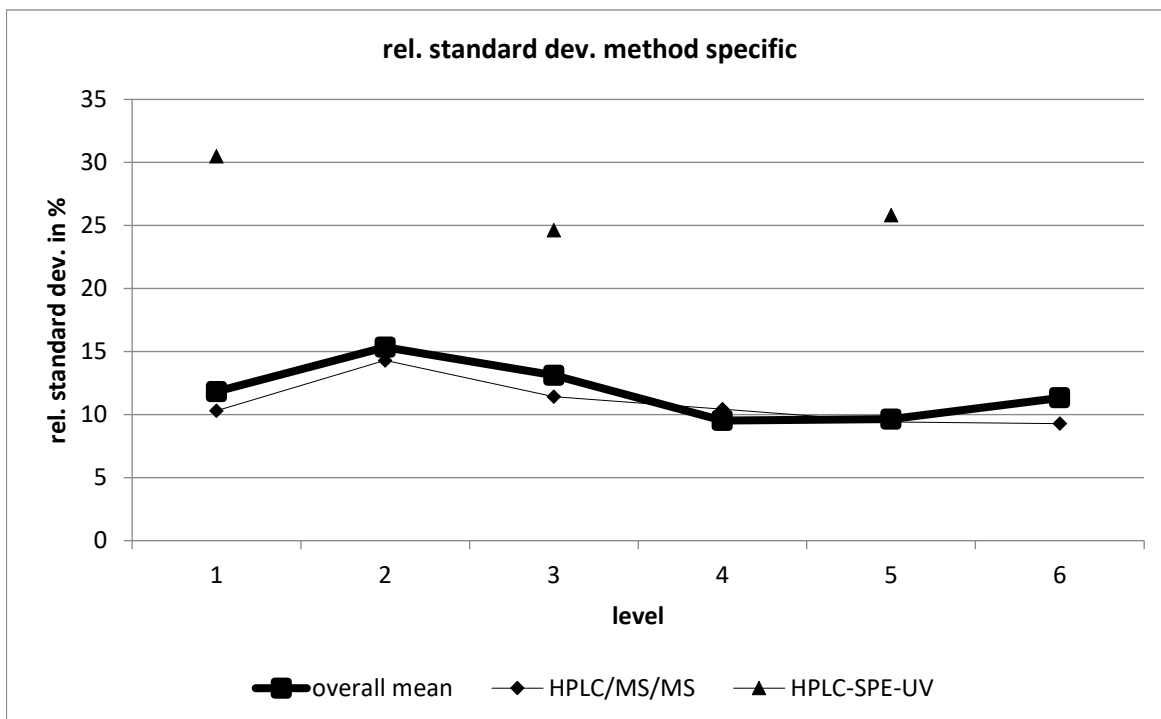
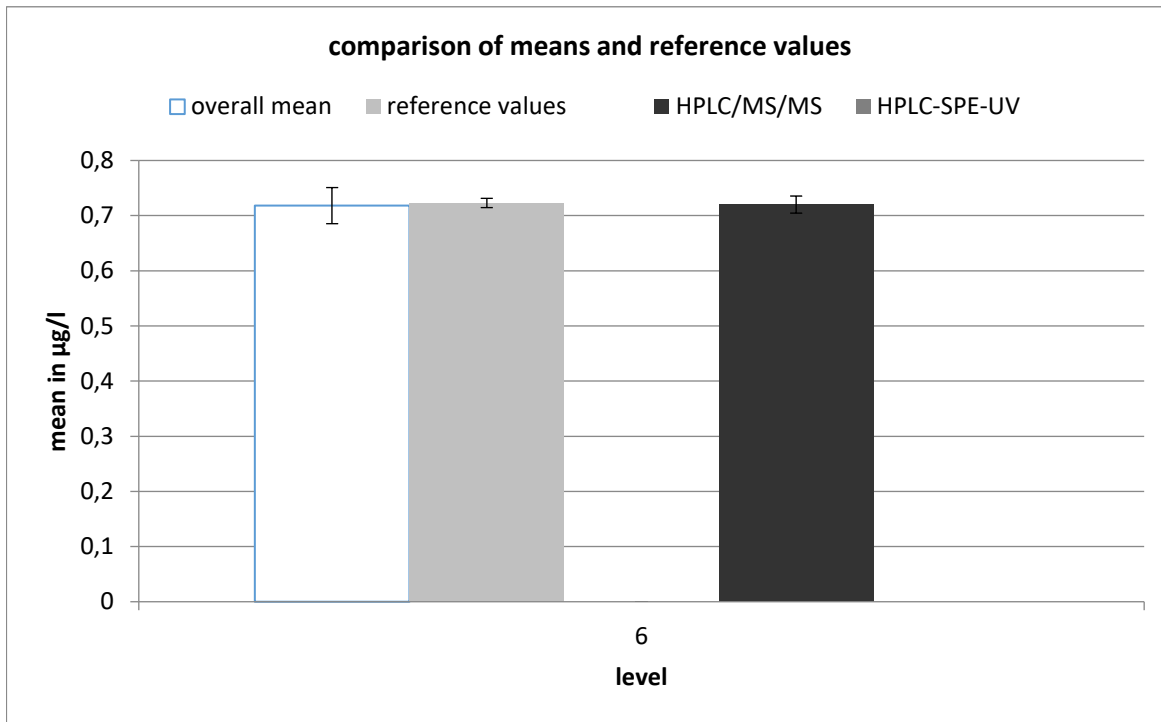
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1184	0,0057	4,8	0,1213	0,0020	1,6
2	0,2168	0,0145	6,7	0,2308	0,0030	1,3
3	0,3351	0,0182	5,4	0,3532	0,0043	1,2
4	0,4656	0,0191	4,1	0,4827	0,0057	1,2
5	0,5341	0,0220	4,1	0,5561	0,0065	1,2
6	0,7182	0,0327	4,6	0,7229	0,0084	1,2









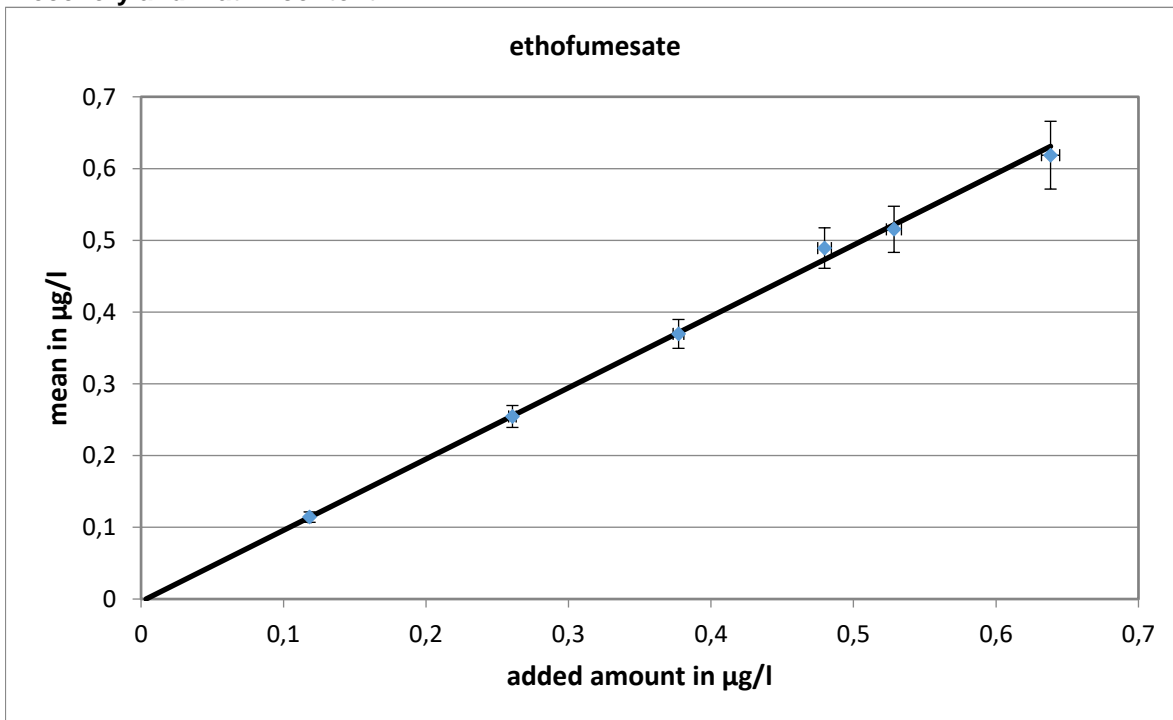
HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,117	0,003	2,477	0,012	10,29	27	1	3	14,8
2	0,214	0,008	3,506	0,031	14,3	26	2	0	7,69
3	0,329	0,01	2,98	0,038	11,43	23	1	0	4,35
4	0,462	0,011	2,464	0,048	10,43	28	1	0	3,57
5	0,53	0,012	2,309	0,05	9,418	26	0	0	0
6	0,72	0,016	2,155	0,067	9,283	29	2	0	6,9

HPLC-SPE-UV									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,131	0,016	12,05	0,04	30,49	10	0	2	20
3	0,342	0,029	8,537	0,084	24,63	13	0	2	15,4
5	0,545	0,059	10,75	0,141	25,81	9	1	0	11,1

ethofumesate

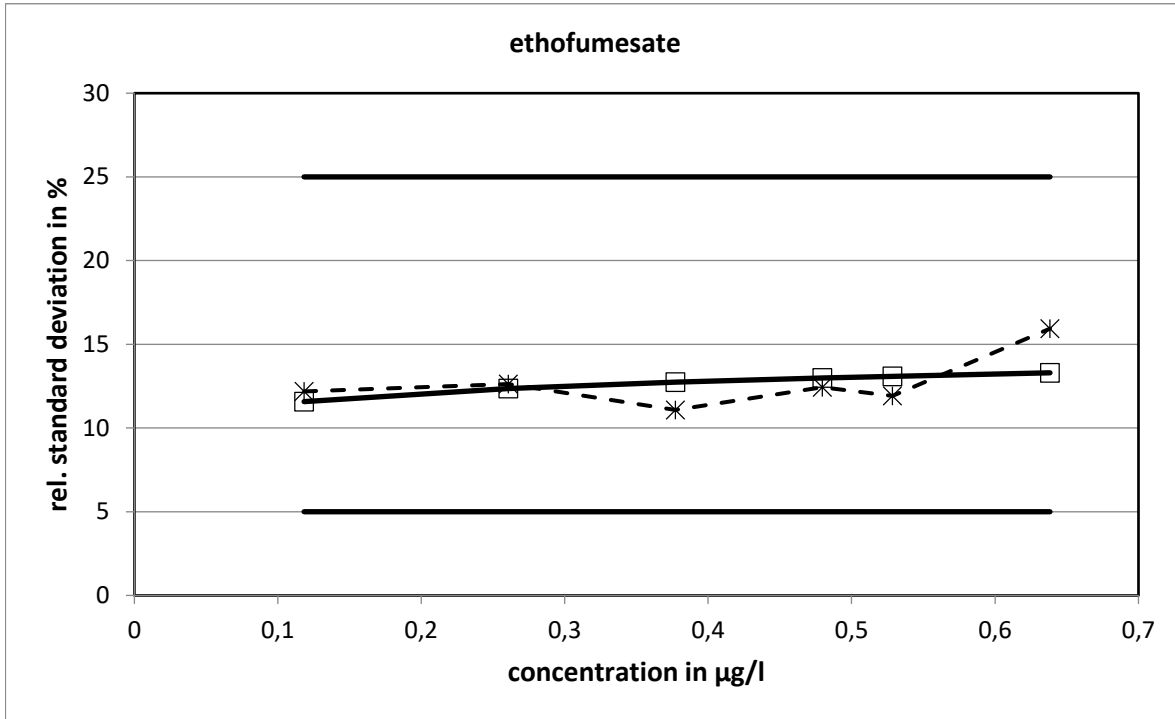
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1183	3,12	0,0144	0,0137	0,0137	11,58	0,1475	0,0924	24,71	-21,93	25	5	0	20,0
2	0,2606	1,67	0,0329	0,0322	0,0322	12,35	0,3296	0,1998	26,47	-23,34	29	1	1	6,9
3	0,3772	1,36	0,0418	0,0480	0,0480	12,74	0,4803	0,2866	27,34	-24,03	27	4	0	14,8
4	0,4797	1,24	0,0597	0,0623	0,0623	12,99	0,6137	0,3623	27,93	-24,48	28	1	1	7,1
5	0,5284	1,20	0,0630	0,0692	0,0692	13,09	0,6772	0,3980	28,16	-24,67	24	1	1	8,3
6	0,6383	1,14	0,1017	0,0849	0,0849	13,30	0,8211	0,4785	28,63	-25,04	29	2	1	10,3
sum											162	14	4	11,1

Recovery and matrix content

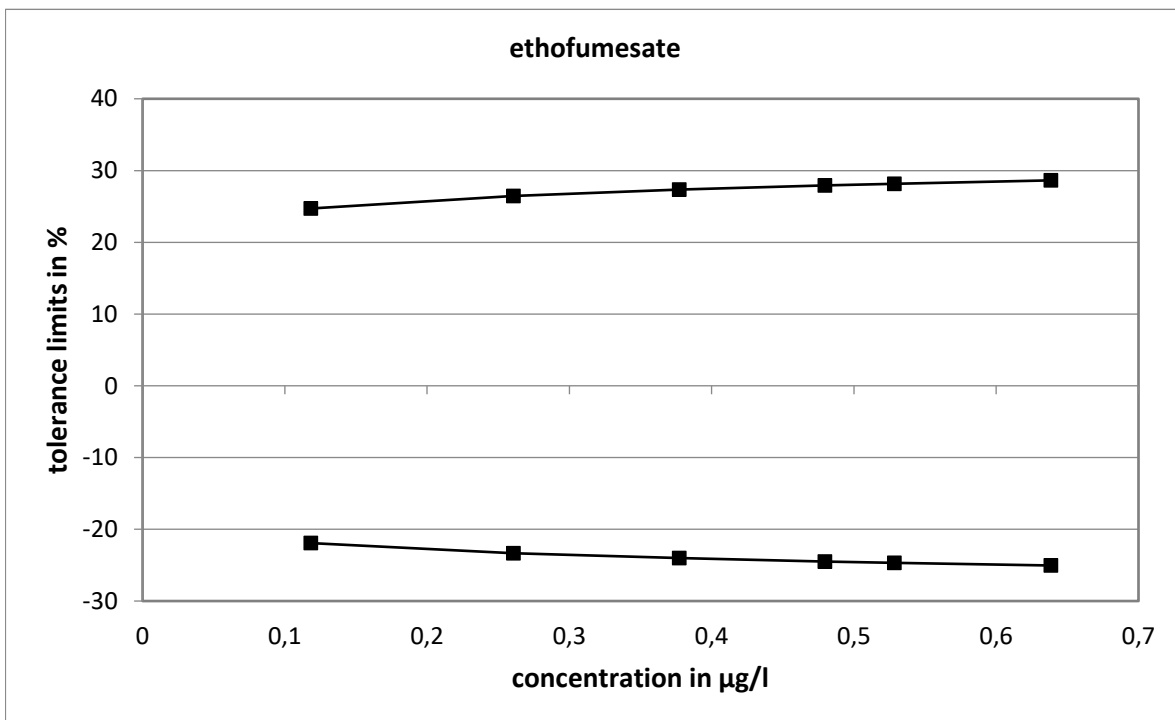


slope of the regression: 0,994; recovery rate: 99,4 %
 neg. x-axis intercept = matrix content: 0 µg/l
 expanded uncertainty of the matrix content: 0,003 µg/l = 0 %

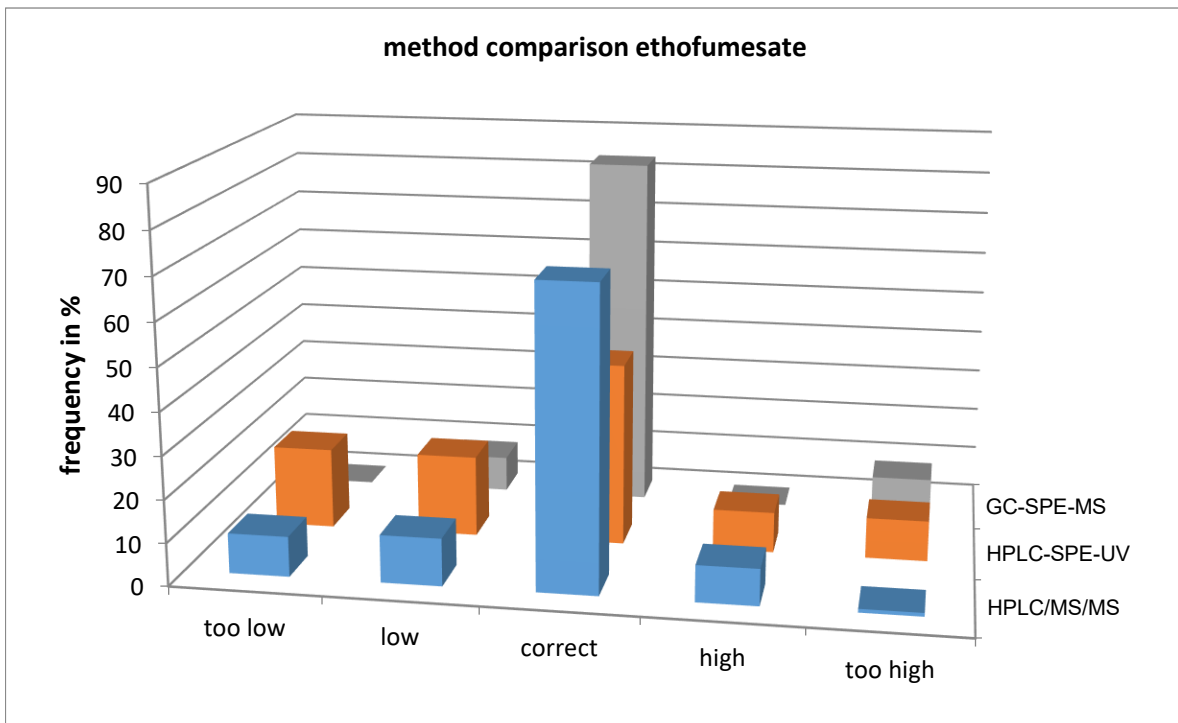
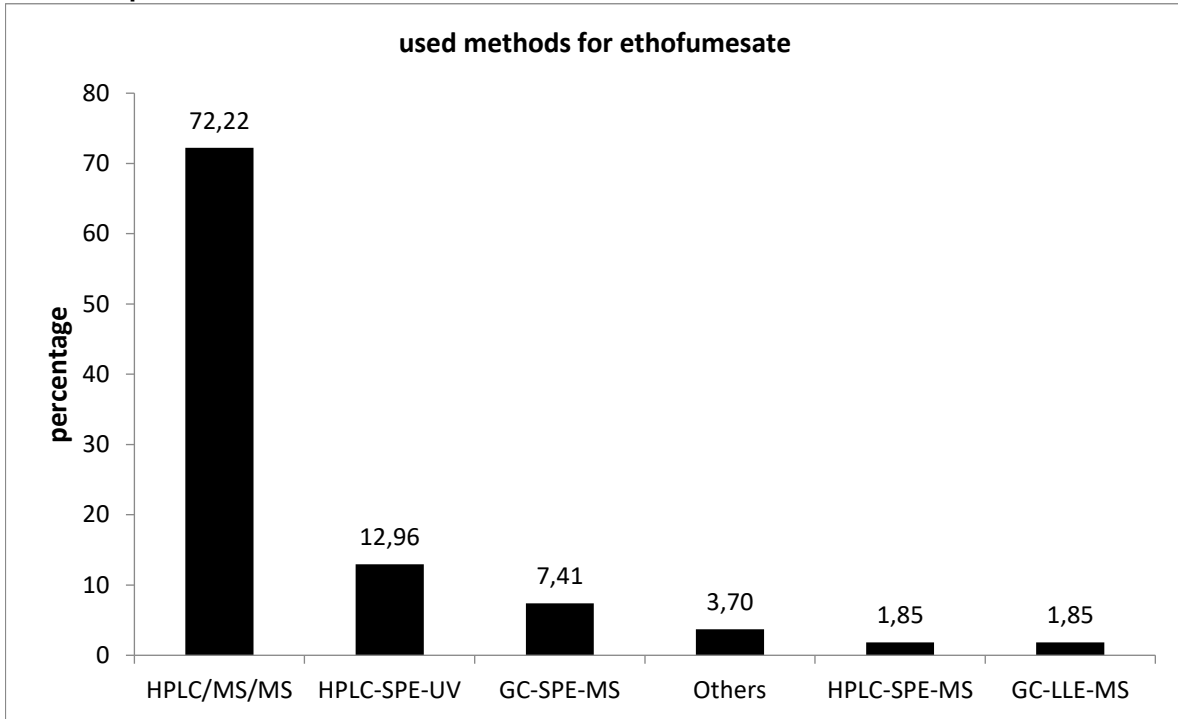
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



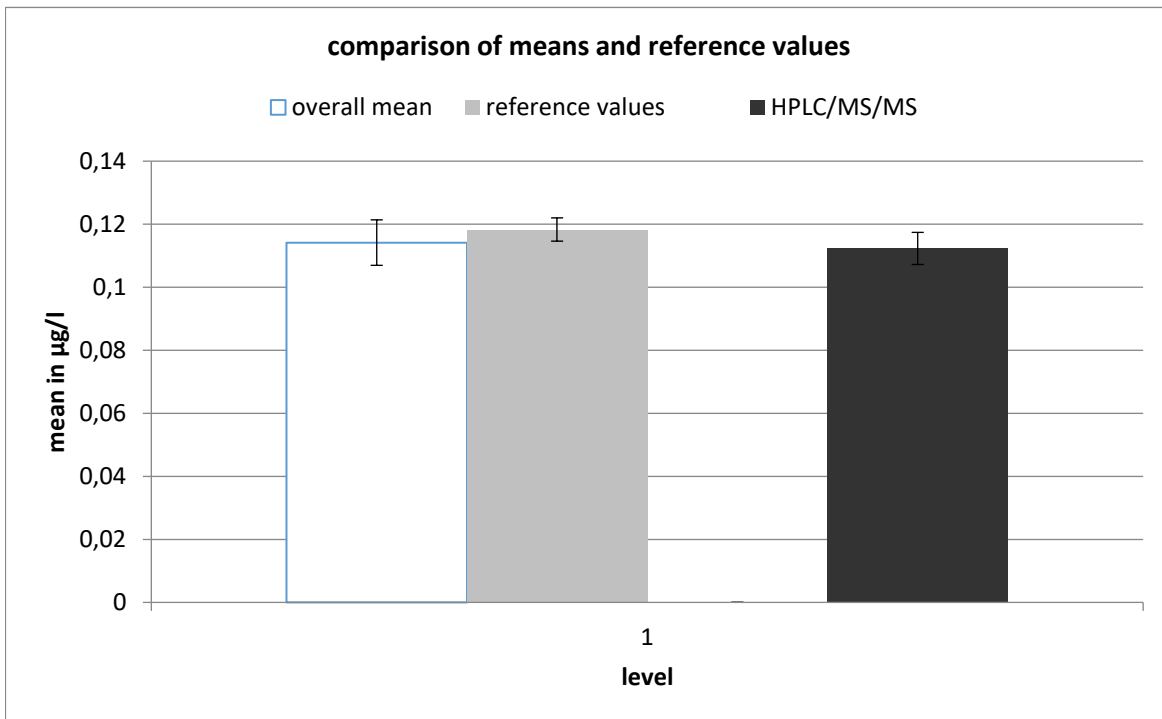
Method specific evaluation

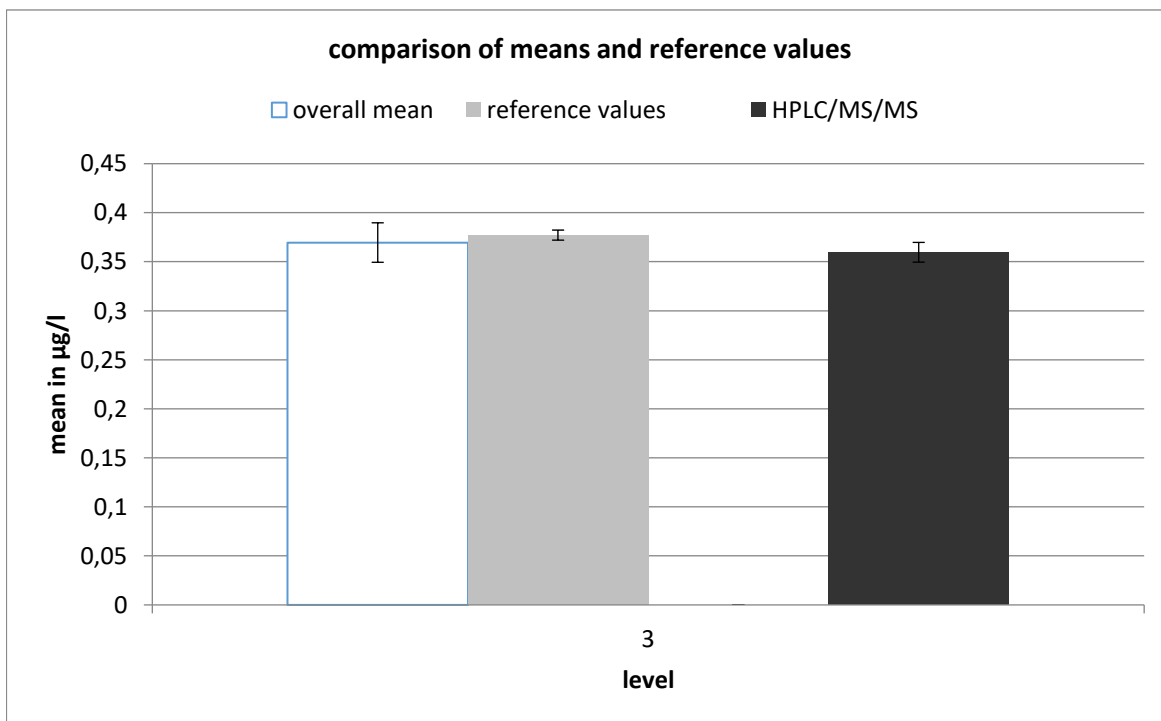
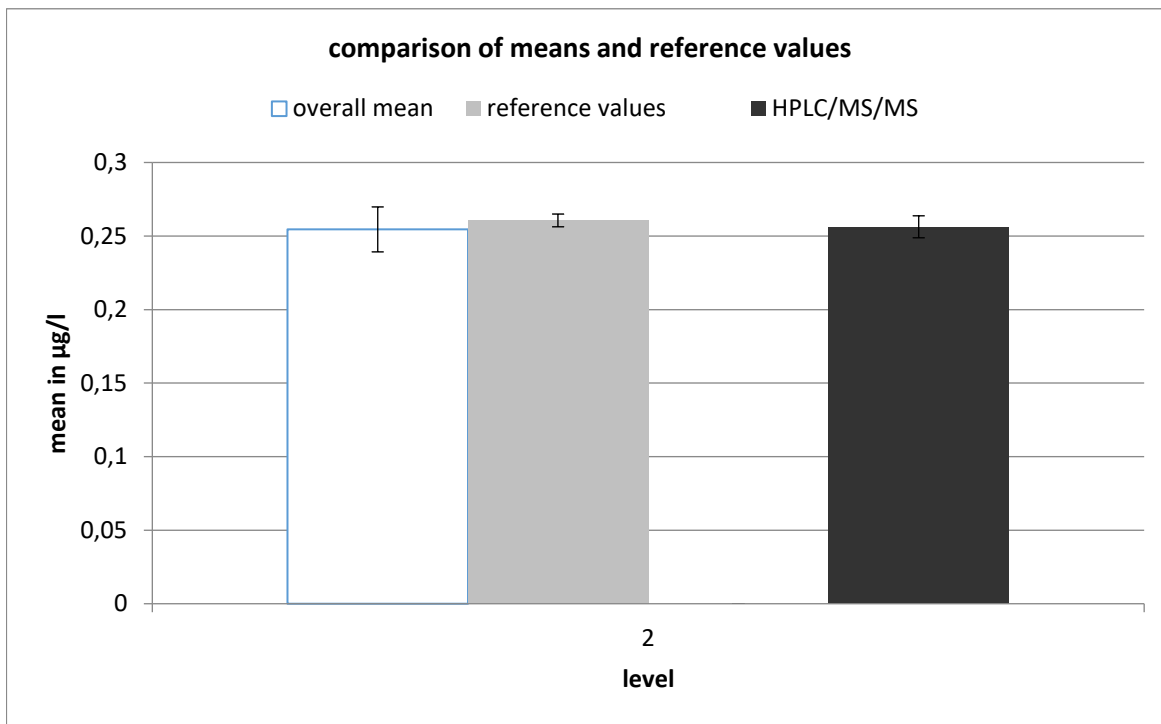


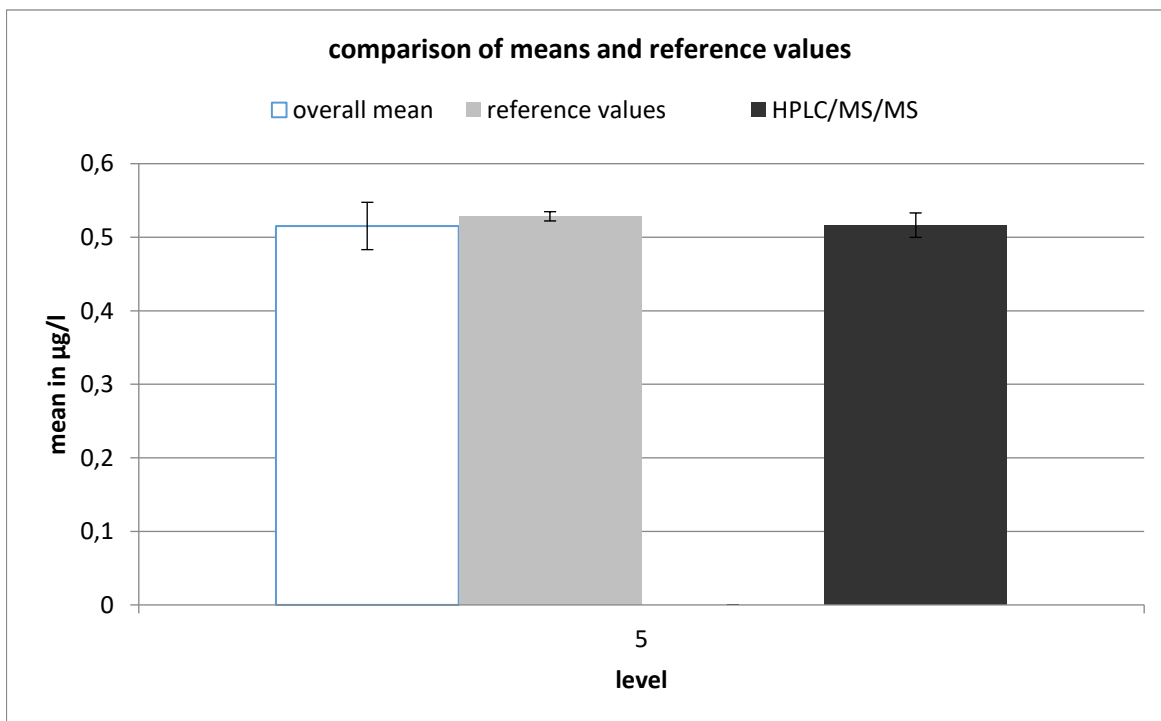
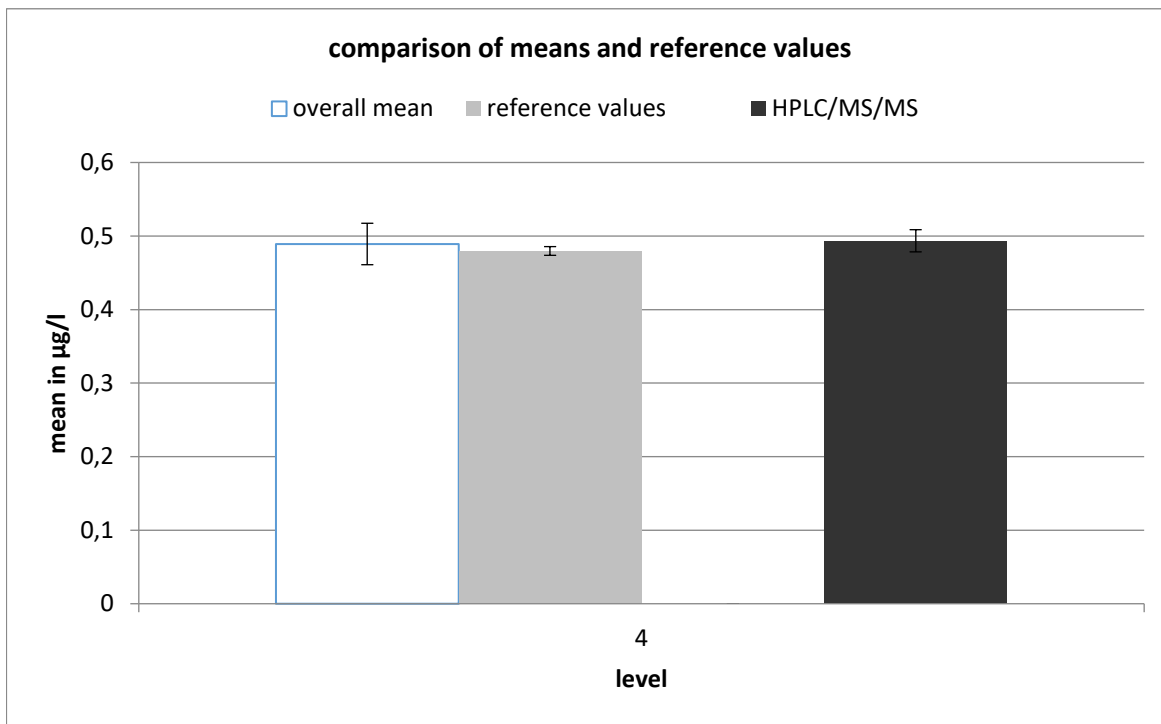
The values determined with HPLC/MS/MS showed the closest statistical distribution.

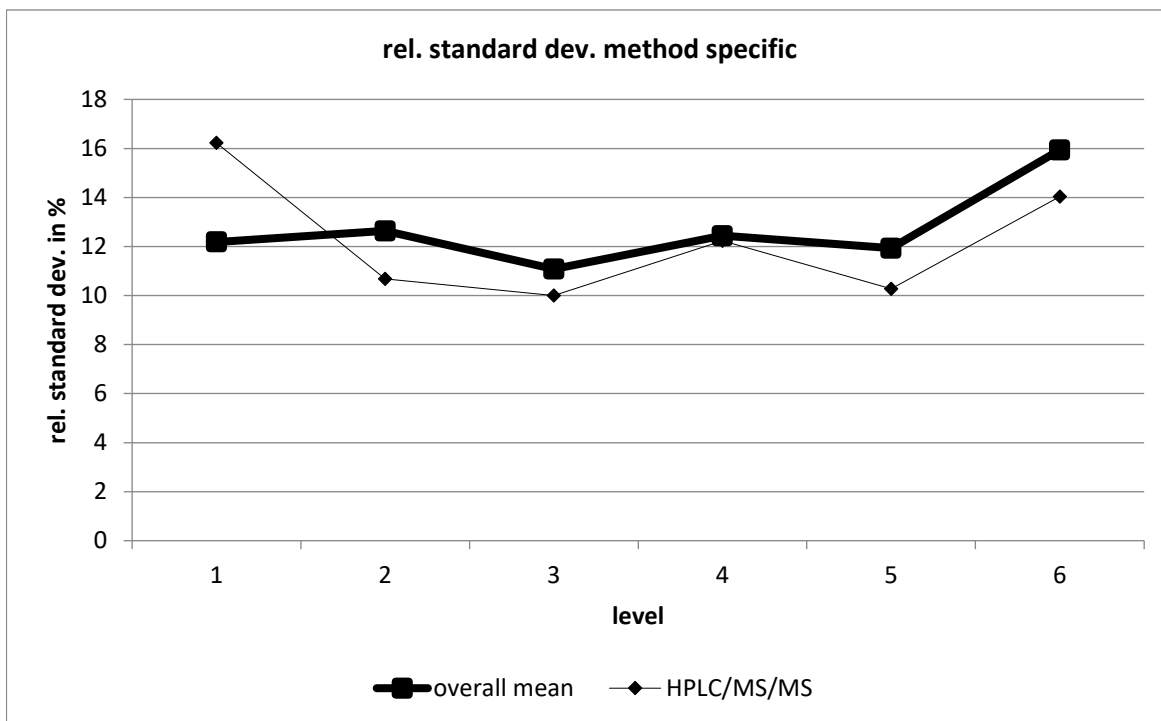
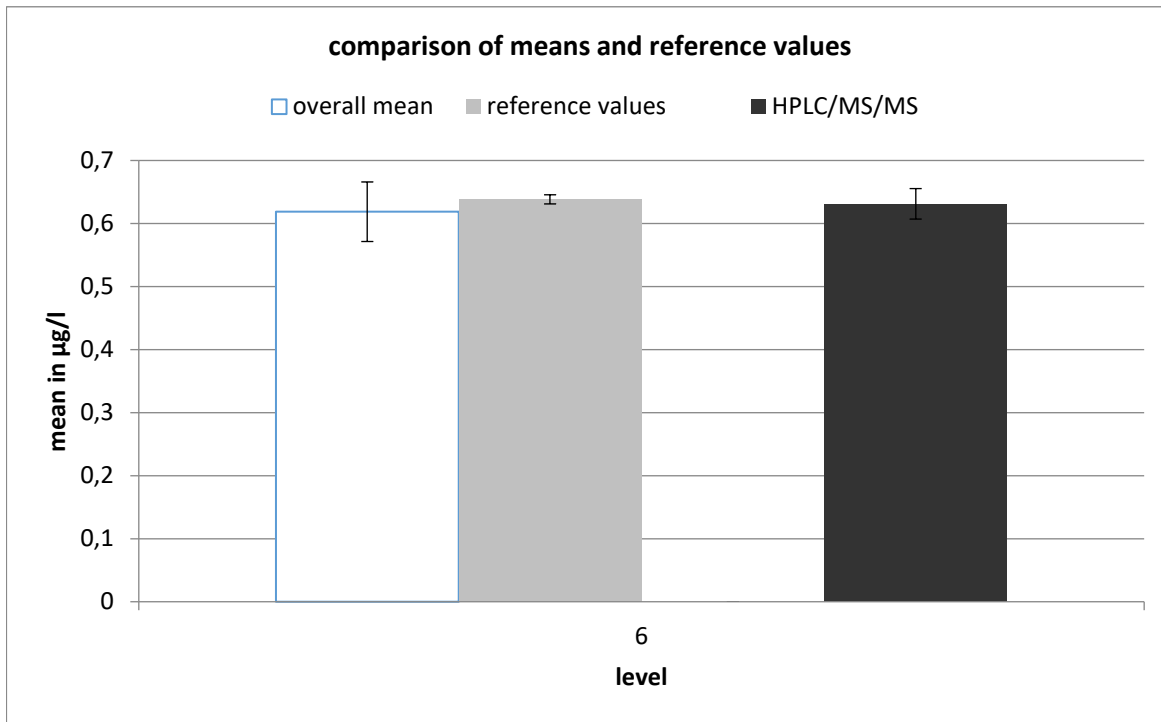
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1142	0,0072	6,3	0,1183	0,0037	3,1
2	0,2545	0,0153	6,0	0,2606	0,0044	1,7
3	0,3696	0,0201	5,4	0,3772	0,0051	1,4
4	0,4892	0,0282	5,8	0,4797	0,0059	1,2
5	0,5153	0,0322	6,2	0,5284	0,0063	1,2
6	0,6187	0,0472	7,6	0,6383	0,0073	1,1







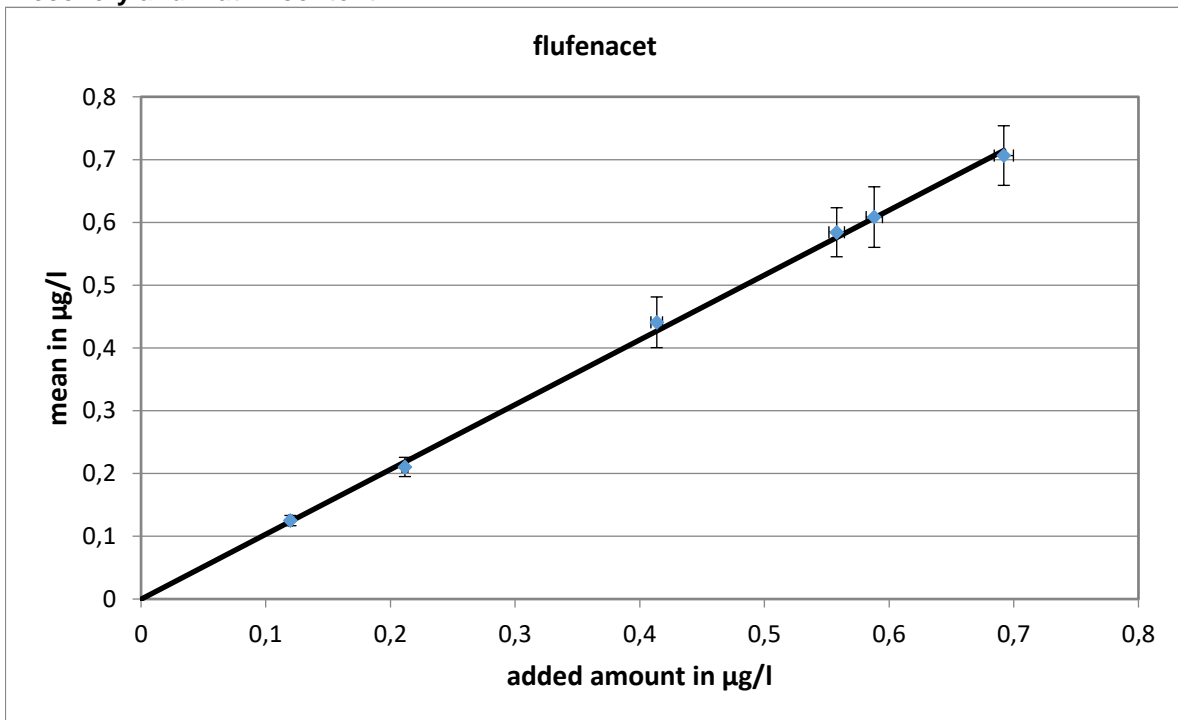


HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,112	0,005	4,535	0,018	16,23	20	1	1	10
2	0,256	0,007	2,914	0,027	10,68	21	1	1	9,52
3	0,36	0,01	2,795	0,036	9,999	20	4	1	25
4	0,494	0,015	3,057	0,06	12,23	25	0	1	4
5	0,516	0,017	3,212	0,053	10,28	16	2	1	18,8
6	0,631	0,024	3,829	0,089	14,04	21	1	0	4,76

flufenacet

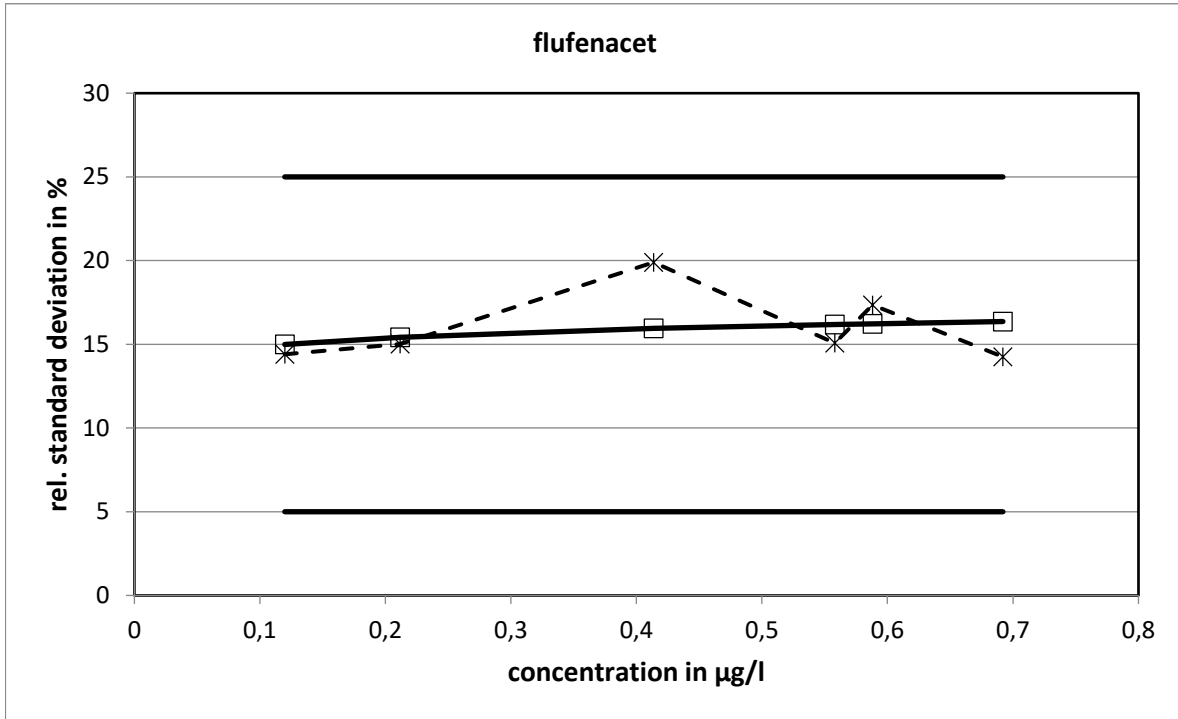
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1198	1,17	0,0173	0,0180	0,0180	14,99	0,1587	0,0861	32,50	-28,11	28	1	1	7,1
2	0,2117	1,13	0,0318	0,0326	0,0326	15,42	0,2826	0,1506	33,51	-28,88	27	0	2	7,4
3	0,4136	1,12	0,0823	0,0660	0,0660	15,95	0,5573	0,2904	34,75	-29,80	26	2	1	11,5
4	0,5580	1,12	0,0841	0,0903	0,0903	16,19	0,7550	0,3893	35,32	-30,22	29	1	3	13,8
5	0,5881	1,11	0,1021	0,0954	0,0954	16,23	0,7964	0,4099	35,42	-30,30	28	2	0	7,1
6	0,6920	1,11	0,0986	0,1132	0,1132	16,36	0,9393	0,4807	35,73	-30,53	27	1	1	7,4
sum											165	7	8	9,1

Recovery and matrix content

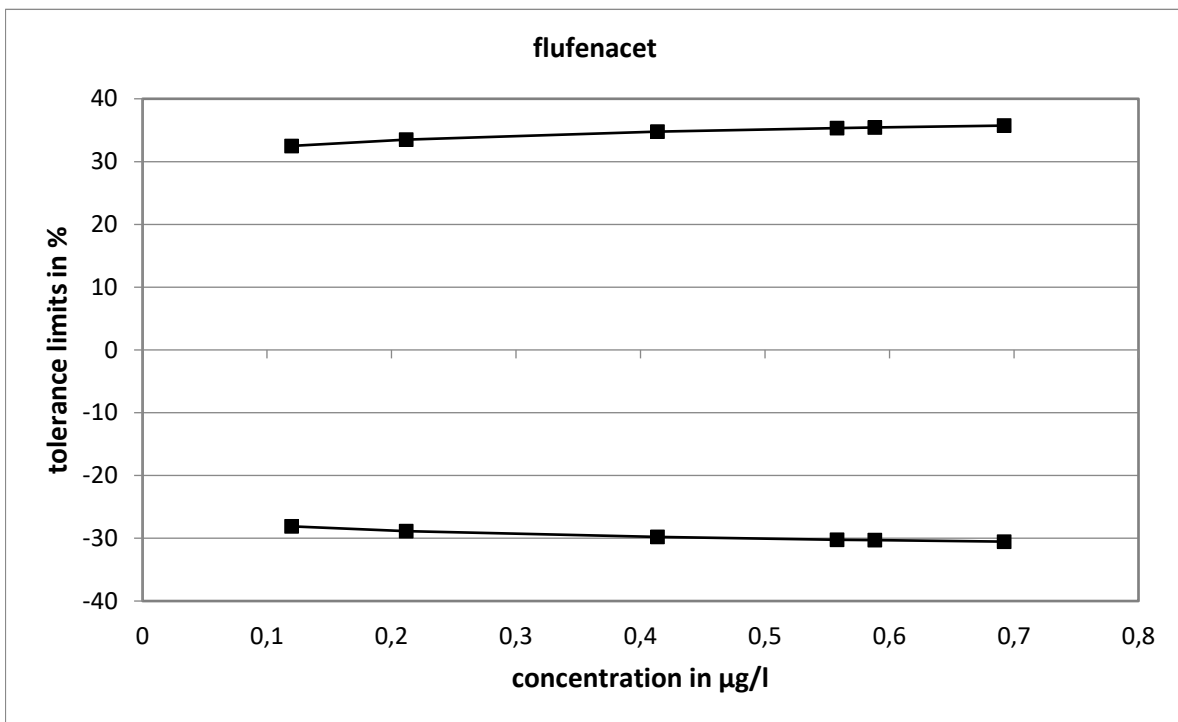


slope of the regression: 1,033; recovery rate: 103,3 %
 neg. x-axis intercept = matrix content: 0 µg/l
 expanded uncertainty of the matrix content: 0,0003 µg/l = 0 %

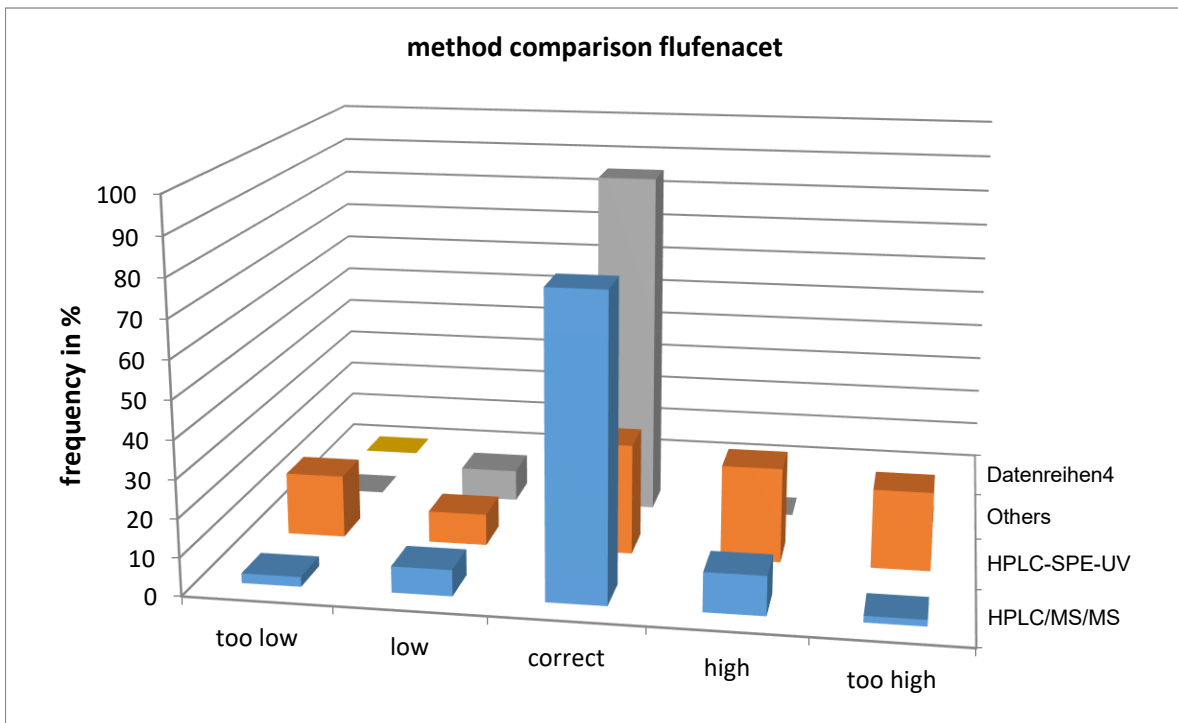
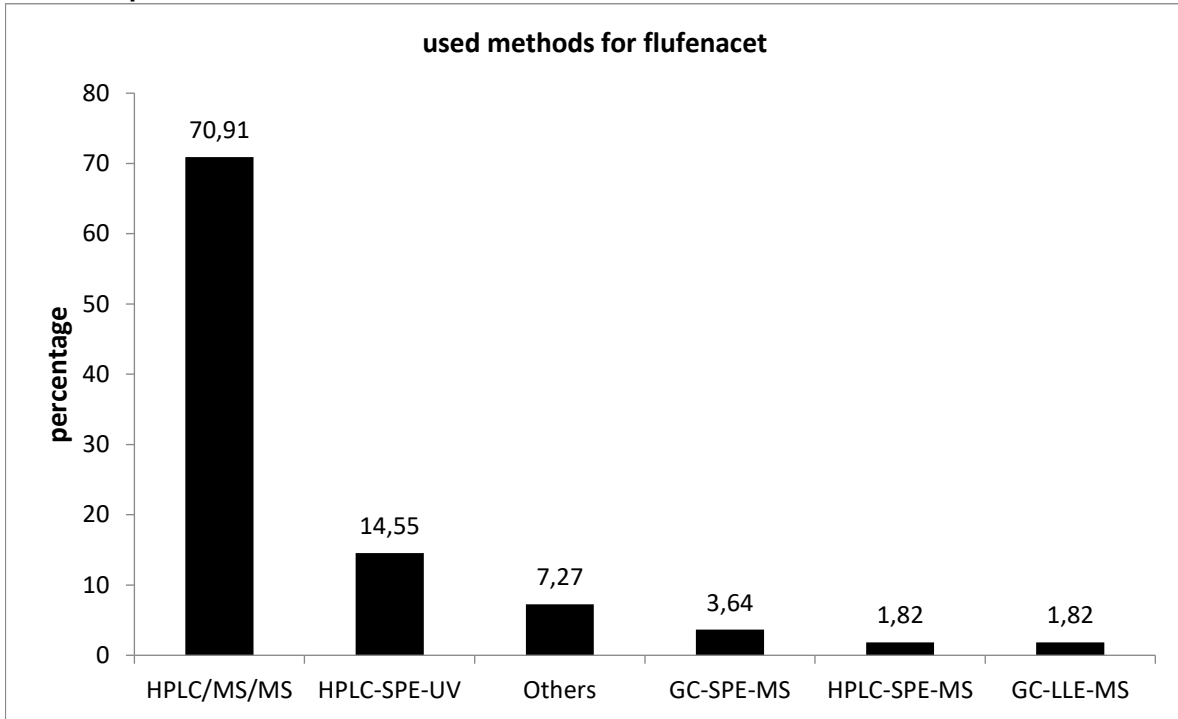
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



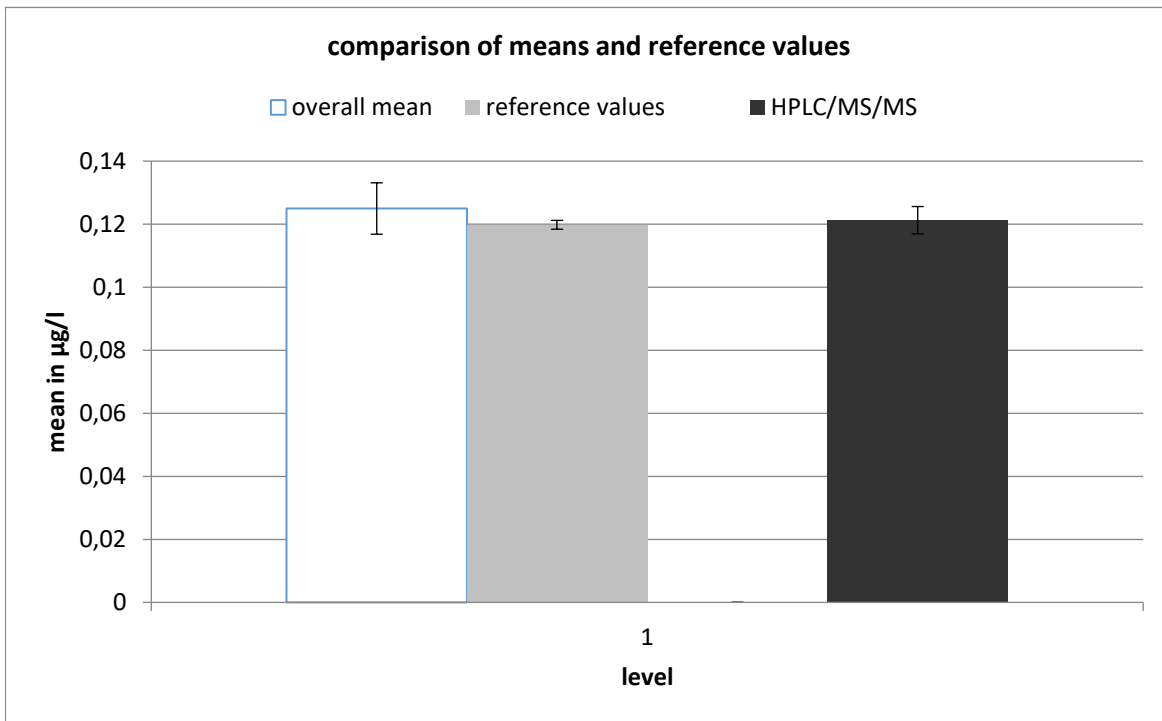
Method specific evaluation

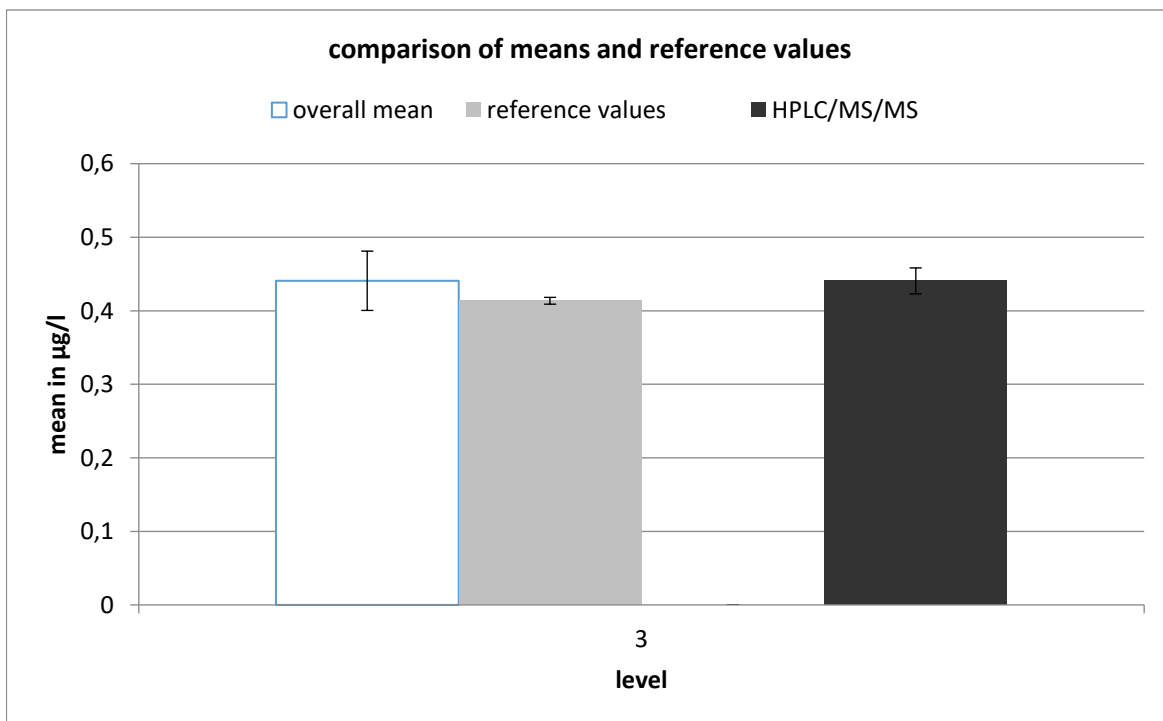
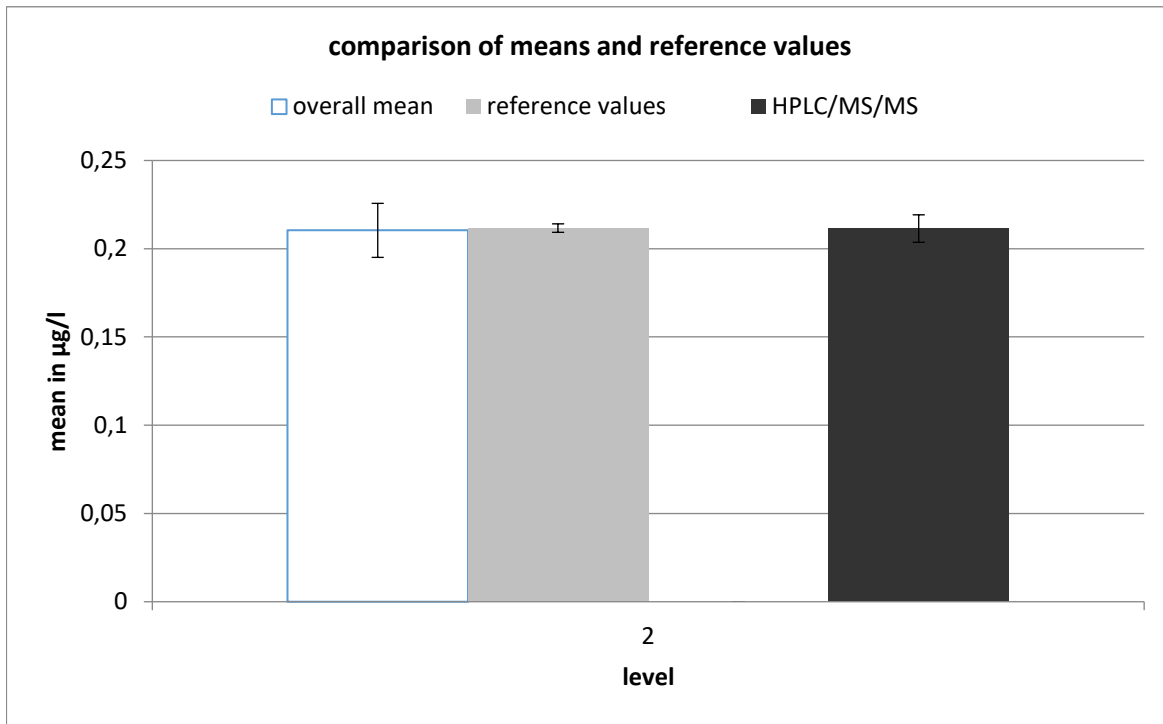


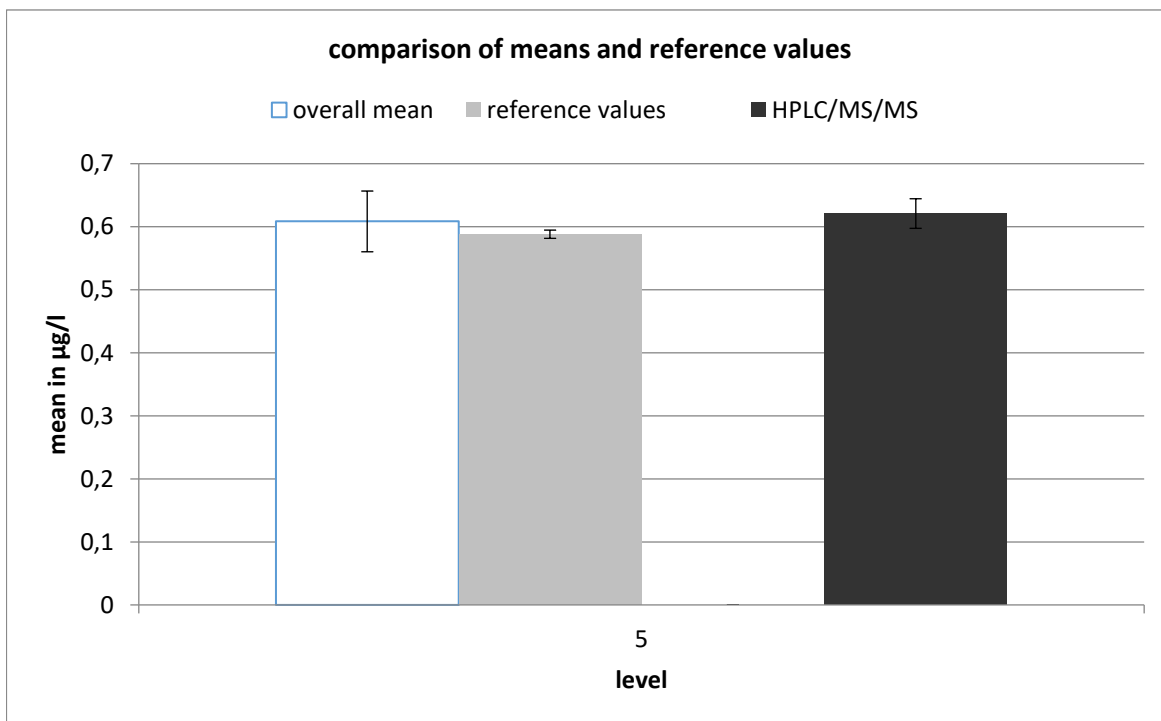
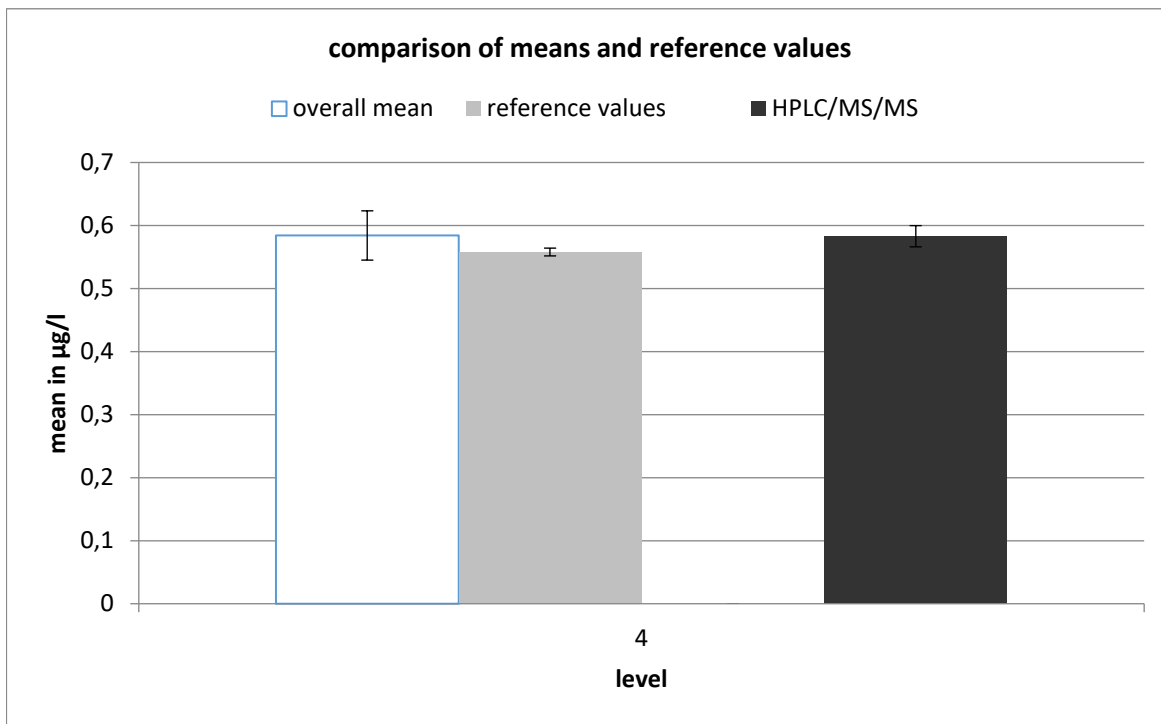
The values determined with HPLC/MS/MS showed the closest statistical distribution.

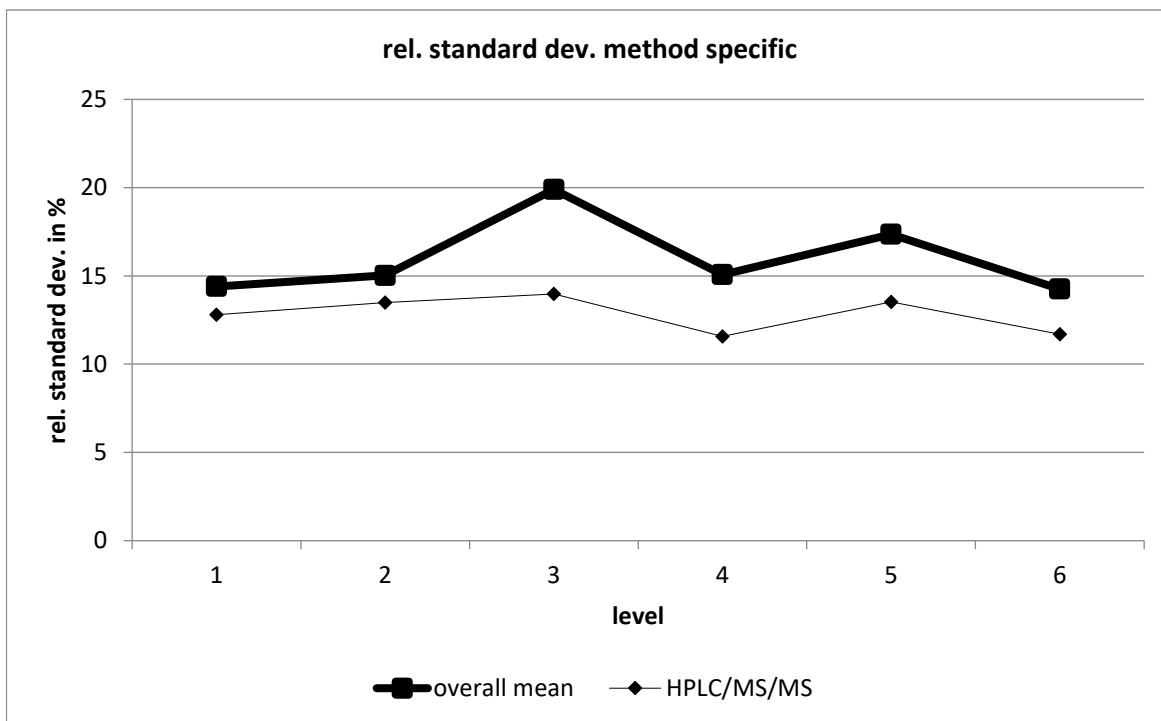
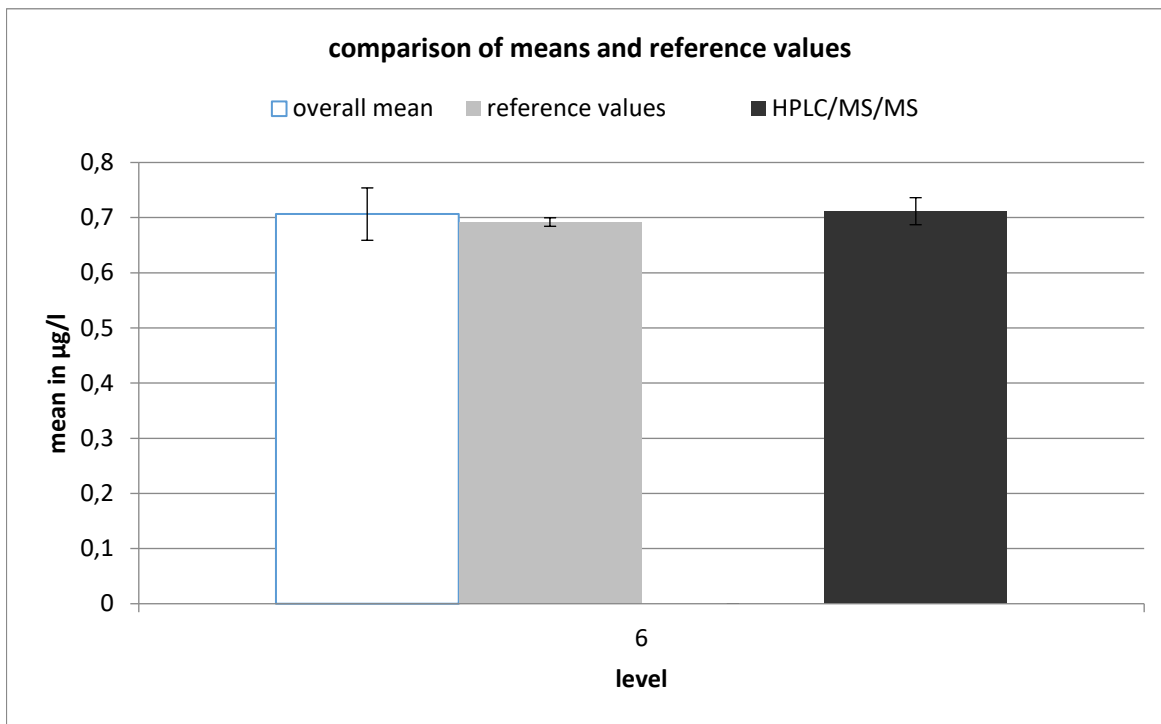
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1250	0,0082	6,5	0,1198	0,0014	1,2
2	0,2104	0,0153	7,3	0,2117	0,0024	1,1
3	0,4408	0,0403	9,2	0,4136	0,0046	1,1
4	0,5842	0,0390	6,7	0,5580	0,0062	1,1
5	0,6084	0,0482	7,9	0,5881	0,0066	1,1
6	0,7064	0,0475	6,7	0,6920	0,0077	1,1







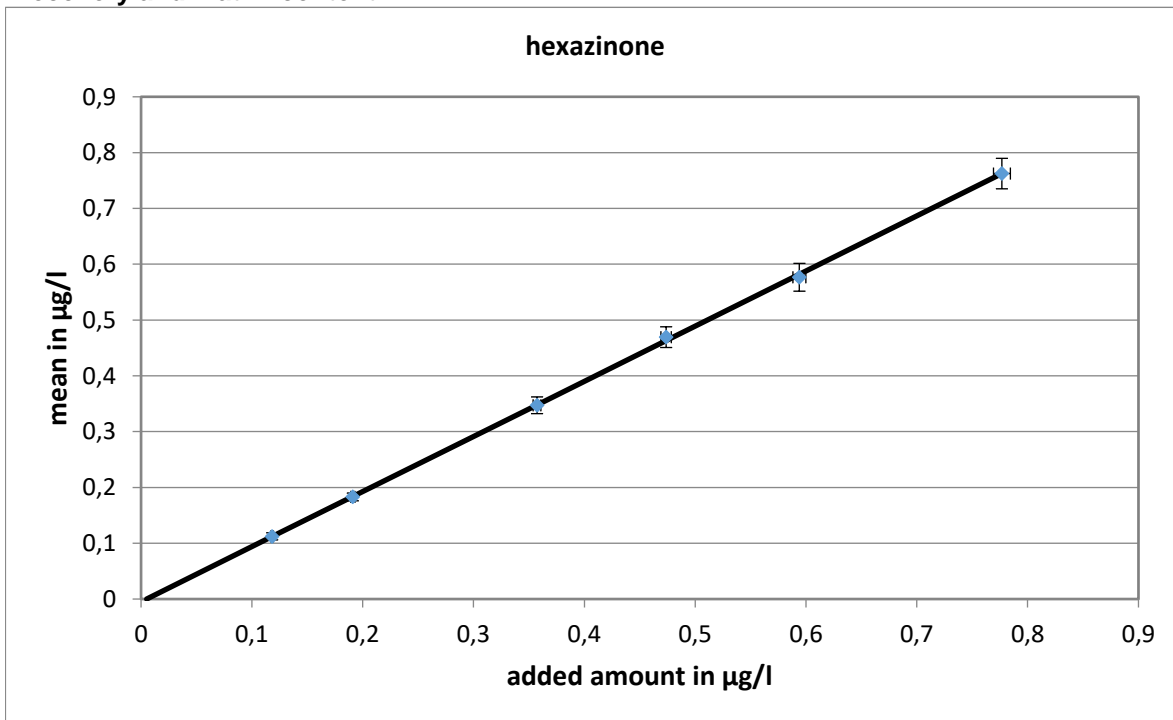


HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,121	0,004	3,578	0,016	12,8	20	1	2	15
2	0,211	0,008	3,681	0,029	13,5	21	0	1	4,76
3	0,441	0,018	4,008	0,062	13,98	19	2	0	10,5
4	0,583	0,017	2,894	0,067	11,58	25	1	2	12
5	0,621	0,023	3,78	0,084	13,52	20	1	0	5
6	0,712	0,025	3,445	0,083	11,69	18	1	0	5,56

hexazinone

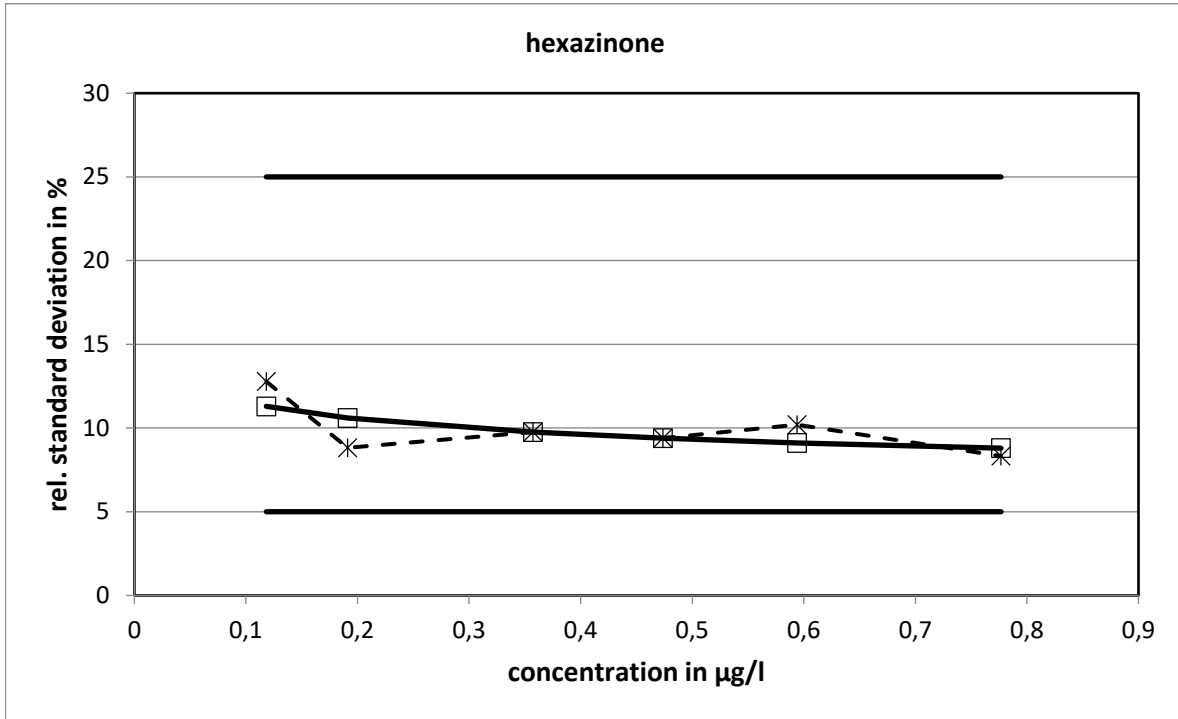
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1183	4,39	0,0151	0,0134	0,0134	11,30	0,1468	0,0929	24,10	-21,41	35	4	4	22,9
2	0,1911	2,82	0,0169	0,0203	0,0203	10,60	0,2341	0,1526	22,50	-20,15	36	1	1	5,6
3	0,3573	1,72	0,0349	0,0348	0,0348	9,75	0,4308	0,2907	20,59	-18,62	34	3	0	8,8
4	0,4738	1,45	0,0446	0,0445	0,0445	9,39	0,5675	0,3886	19,78	-17,97	36	2	1	8,3
5	0,5941	1,30	0,0606	0,0542	0,0542	9,12	0,7079	0,4903	19,16	-17,46	37	2	1	8,1
6	0,7768	1,18	0,0647	0,0683	0,0683	8,80	0,9201	0,6457	18,45	-16,88	35	4	3	20,0
sum											213	16	10	12,2

Recovery and matrix content

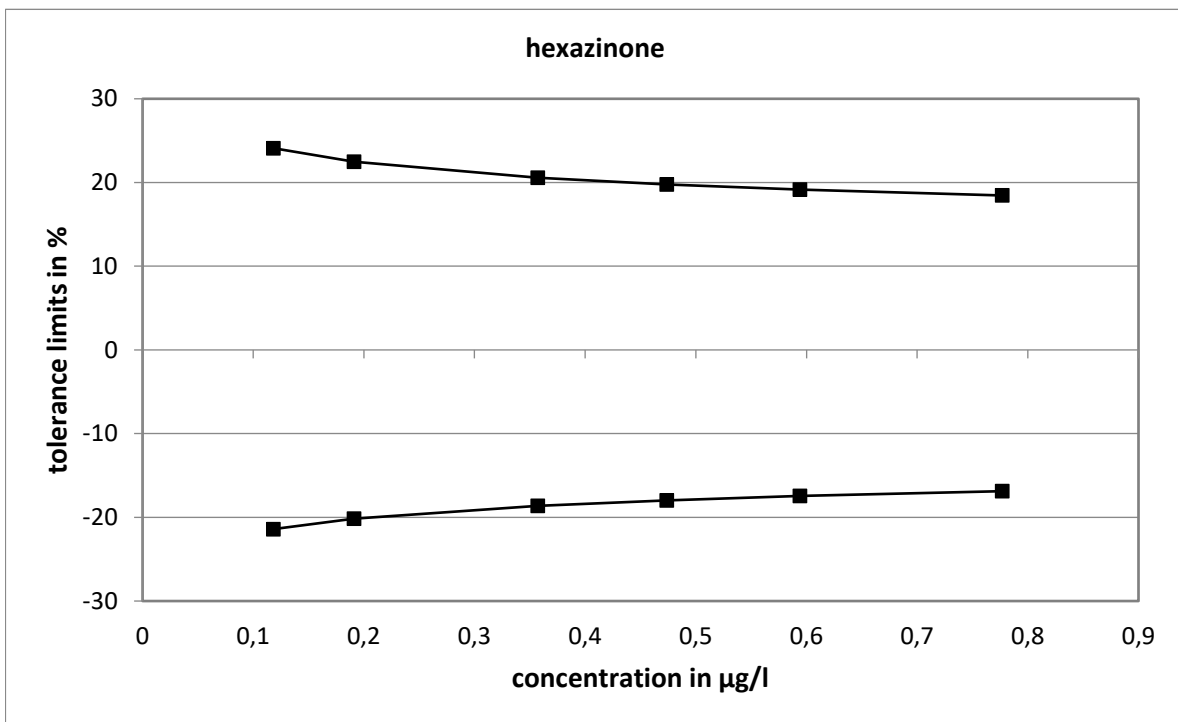


slope of the regression: 0,988; recovery rate: 98,8 %
 neg. x-axis intercept = matrix content: 0 µg/l
 expanded uncertainty of the matrix content: 0,005 µg/l = 0 %

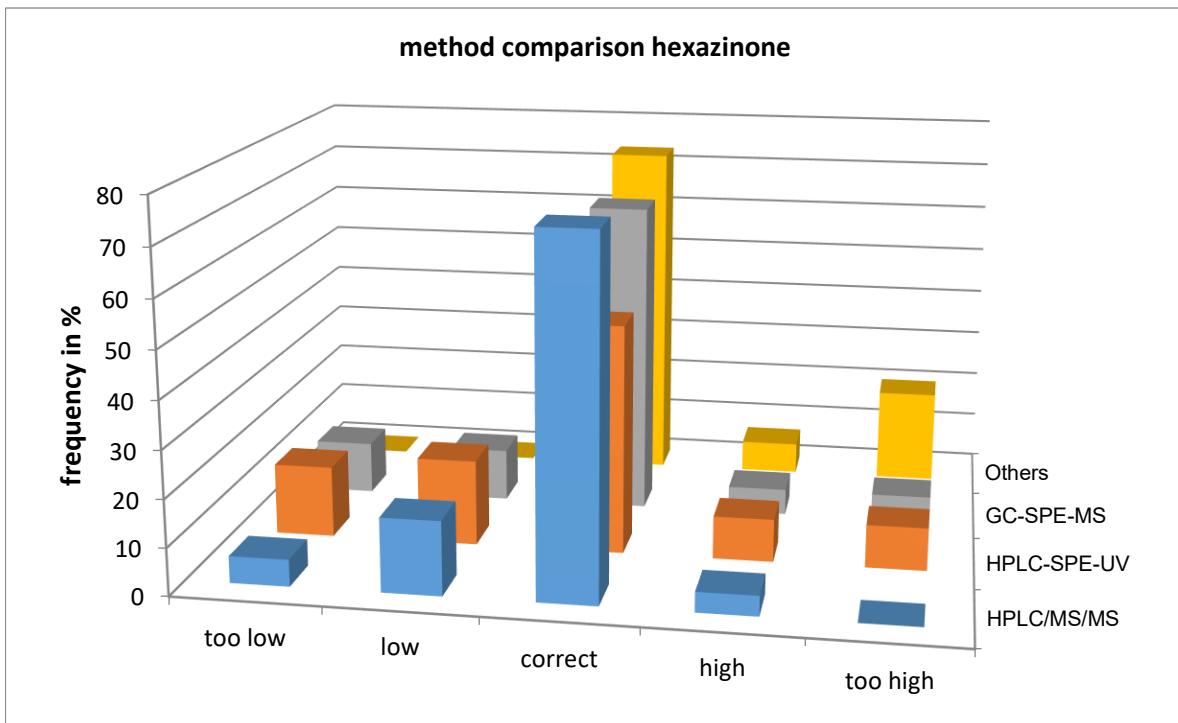
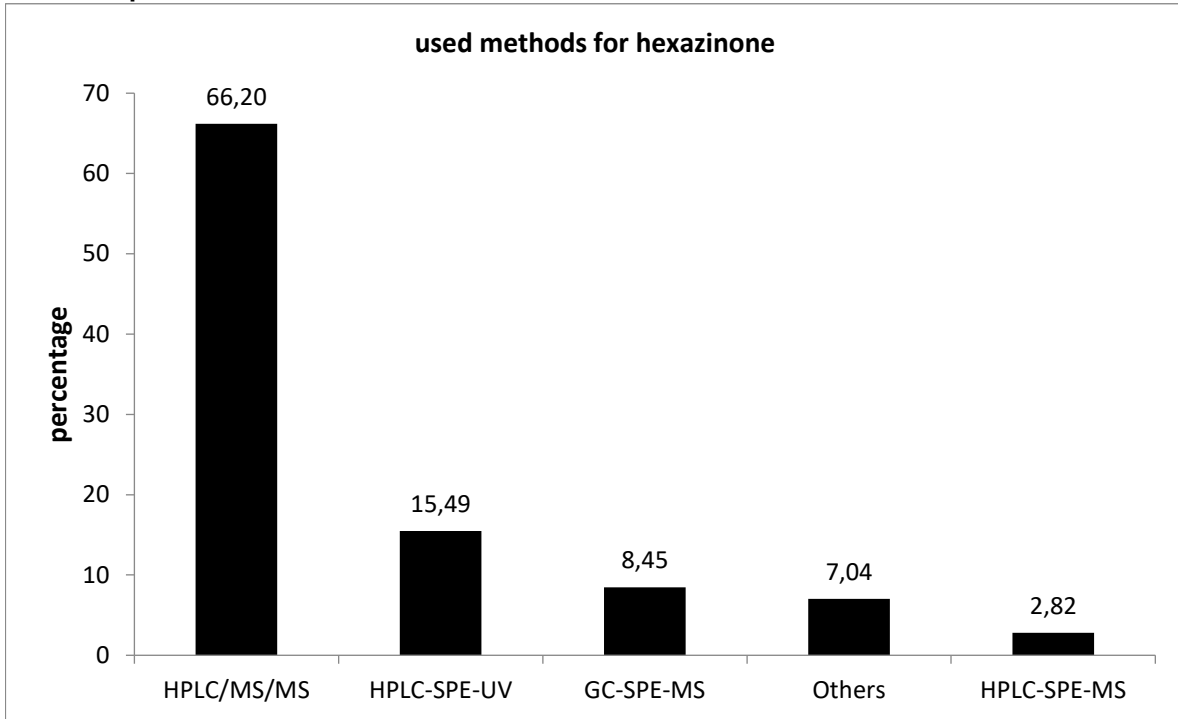
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



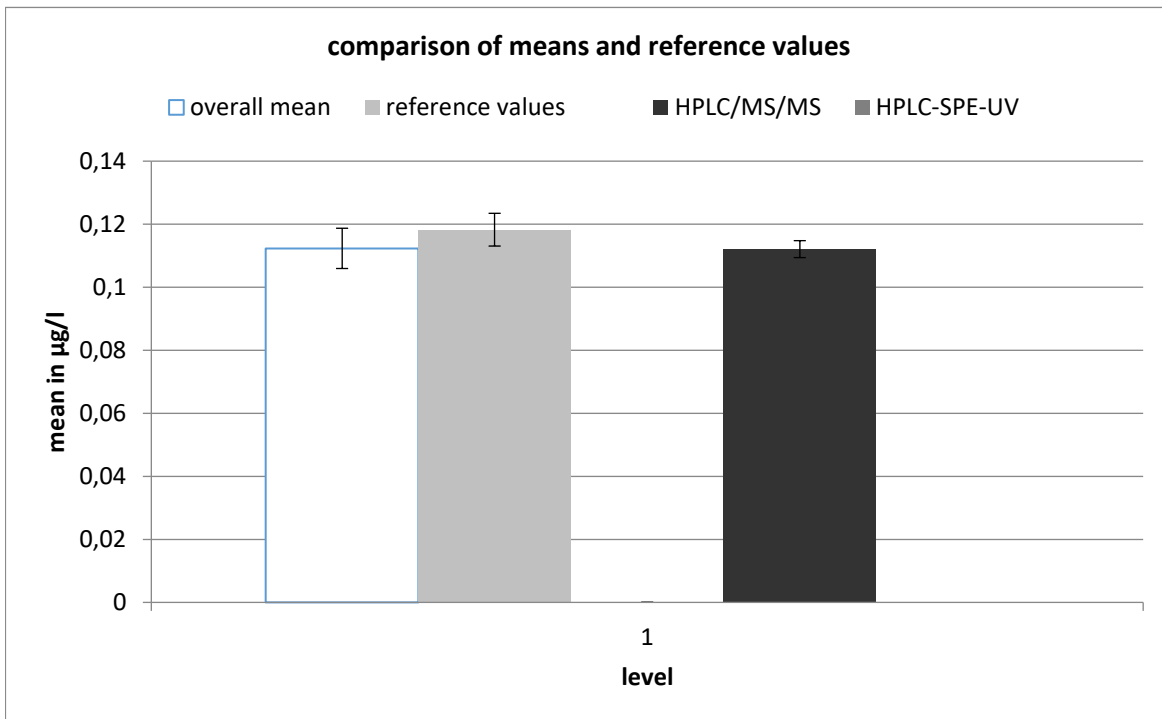
Method specific evaluation

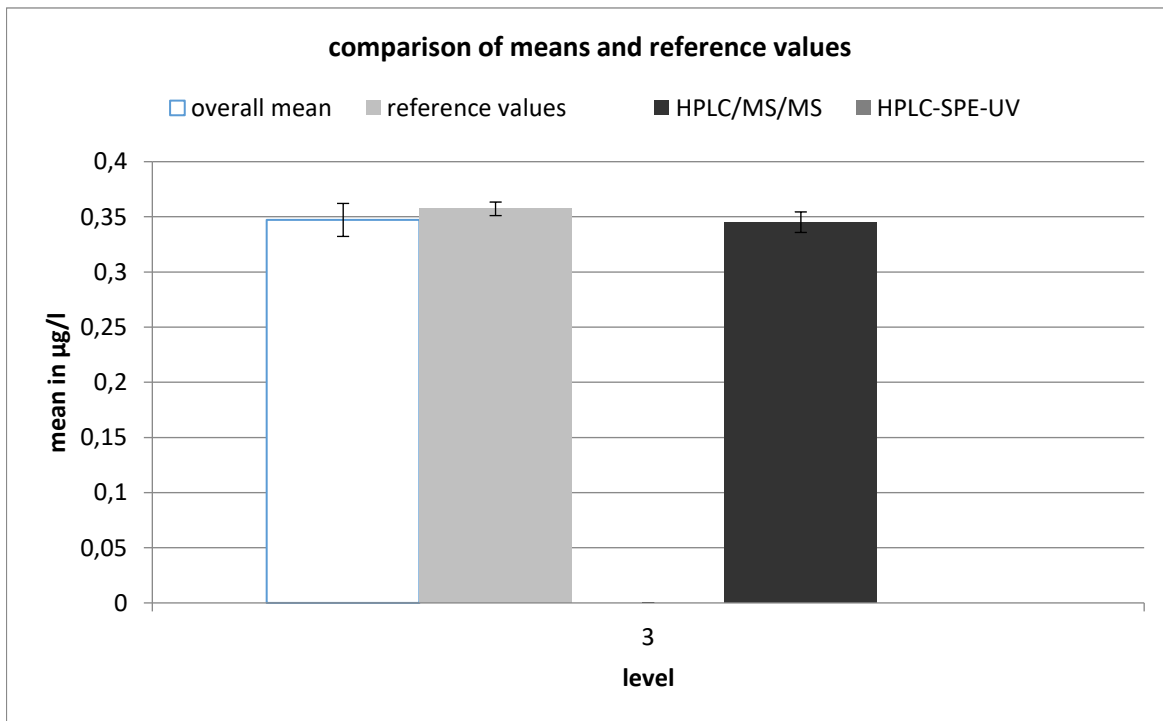
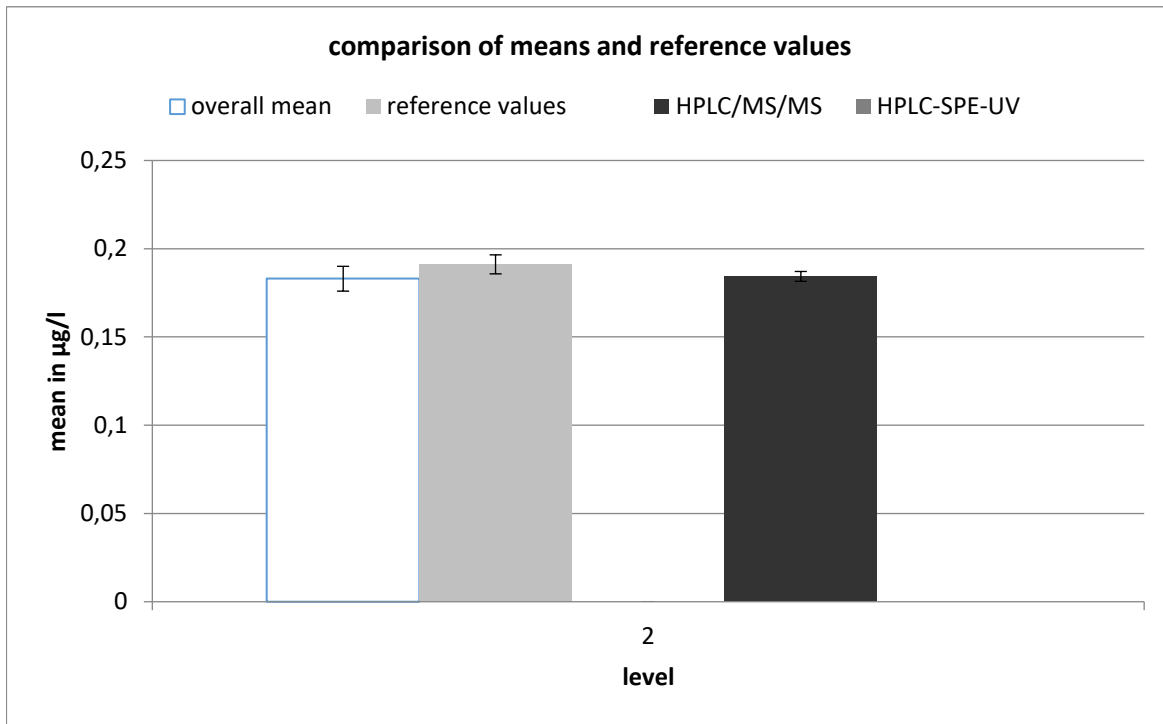


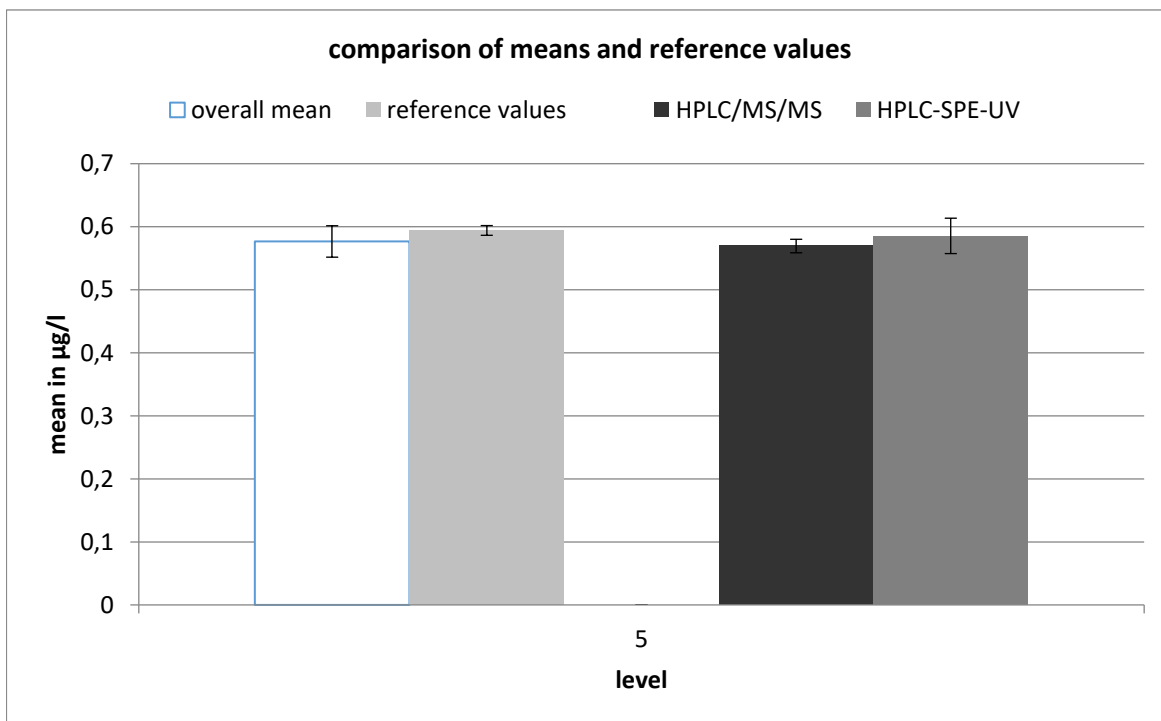
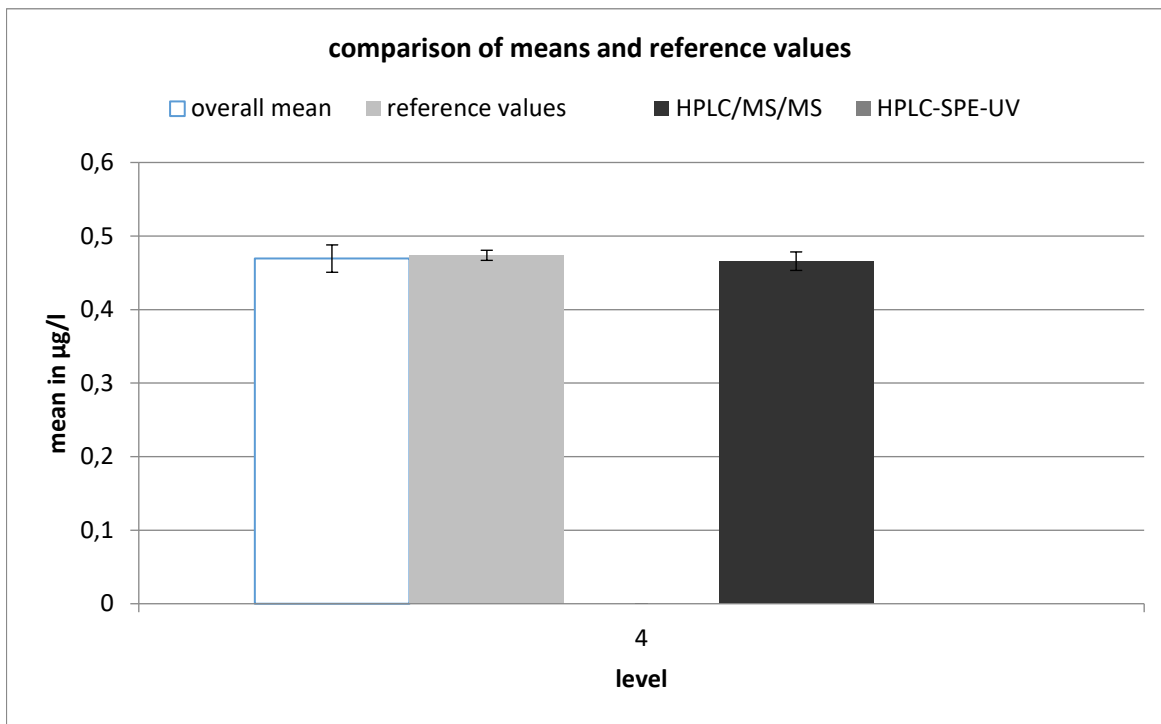
The values determined with HPLC/MS/MS showed the closest statistical distribution.

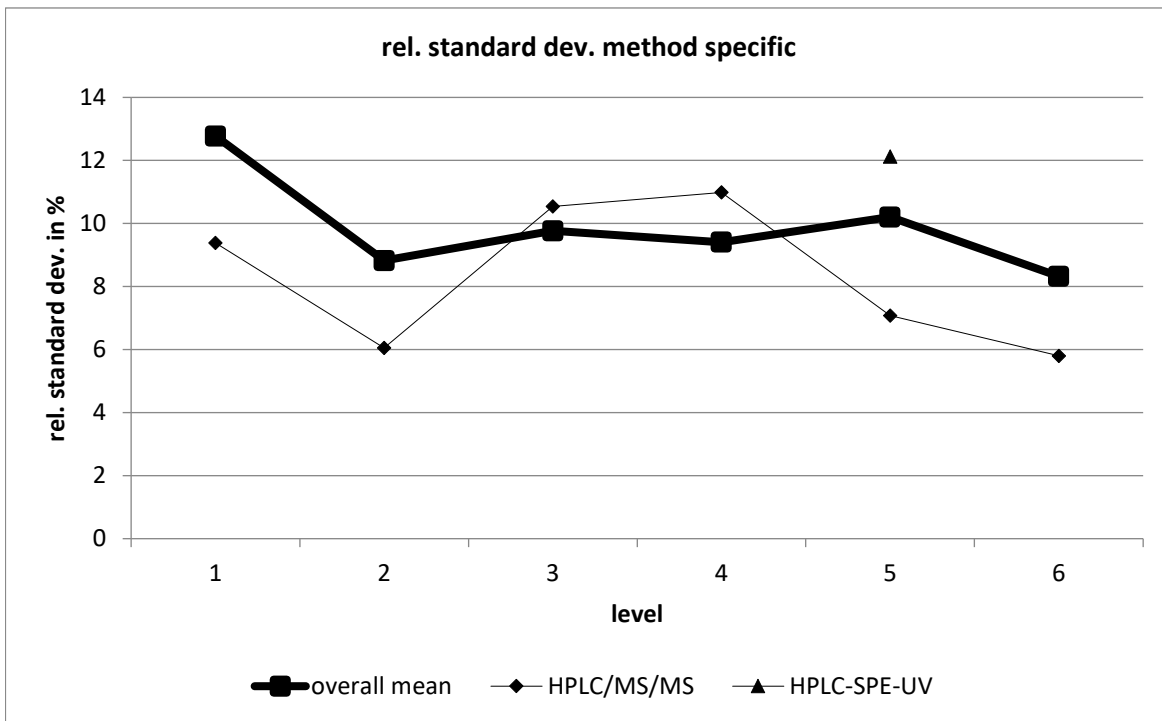
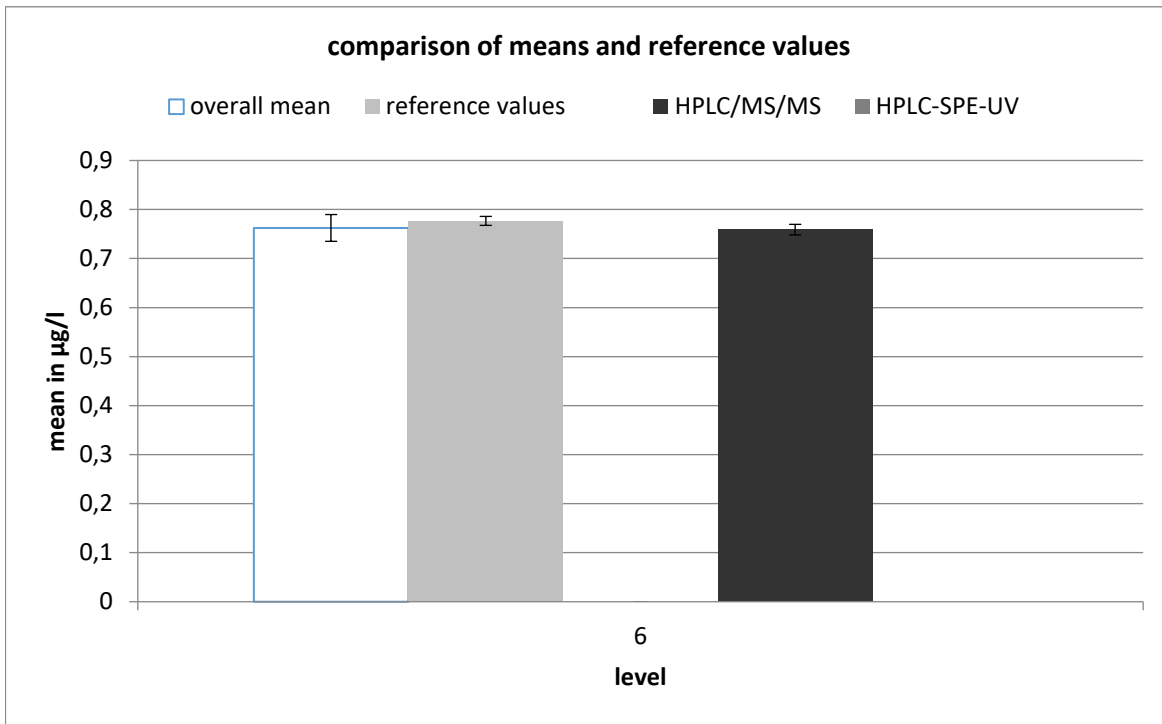
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1123	0,0064	5,7	0,1183	0,0052	4,4
2	0,1830	0,0070	3,8	0,1911	0,0054	2,8
3	0,3472	0,0150	4,3	0,3573	0,0062	1,7
4	0,4693	0,0186	4,0	0,4738	0,0069	1,4
5	0,5766	0,0249	4,3	0,5941	0,0077	1,3
6	0,7624	0,0273	3,6	0,7768	0,0091	1,2









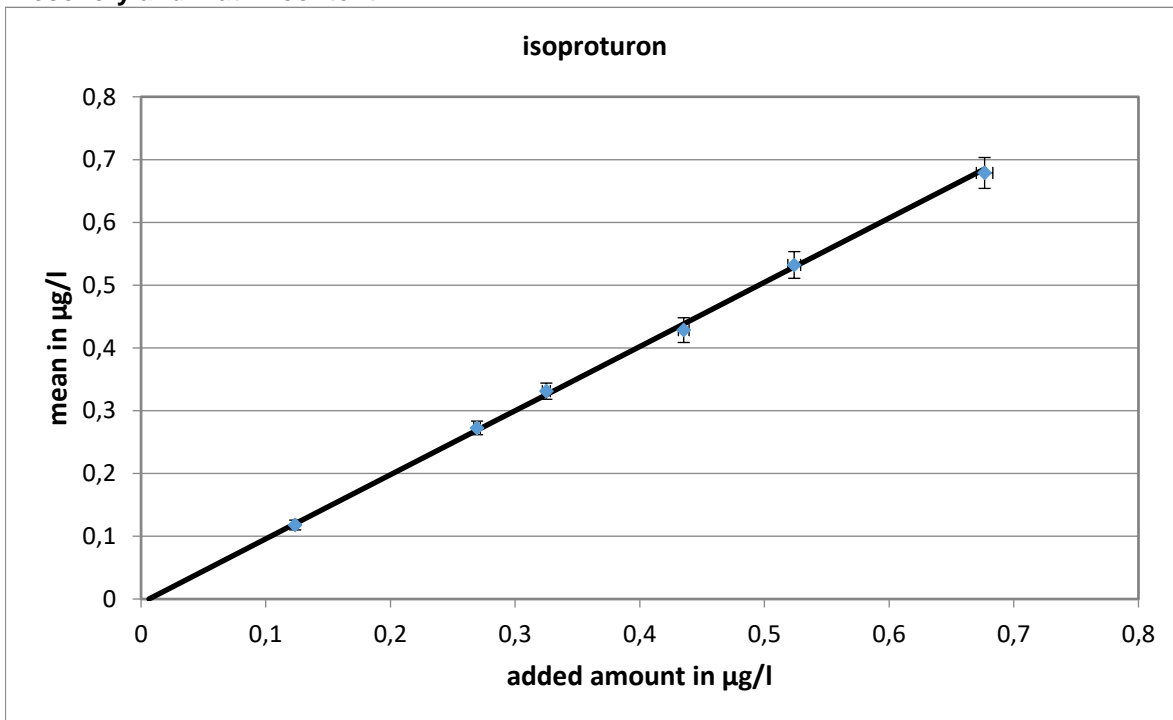
HPLC/MS/MS									
level	robust mean [µg/l]	exp. unc. of the mean [µg/l]	exp. unc. of the mean [%]	robust standard deviation [µg/]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,112	0,003	2,395	0,011	9,388	24	2	1	12,5
2	0,184	0,003	1,512	0,011	6,048	25	0	2	8
3	0,345	0,009	2,69	0,036	10,54	24	2	1	12,5
4	0,466	0,013	2,693	0,051	10,98	26	1	1	7,69
5	0,569	0,011	1,885	0,04	7,074	22	1	0	4,55
6	0,759	0,011	1,422	0,044	5,803	26	2	1	11,5

HPLC-SPE-UV									
level	robust mean [µg/l]	exp. unc. of the mean [µg/l]	exp. unc. of the mean [%]	robust standard deviation [µg/]	robust standard deviation [%]	number of results	out below	out above	out [%]
5	0,585	0,028	4,795	0,071	12,13	10	0	1	10

isoproturon

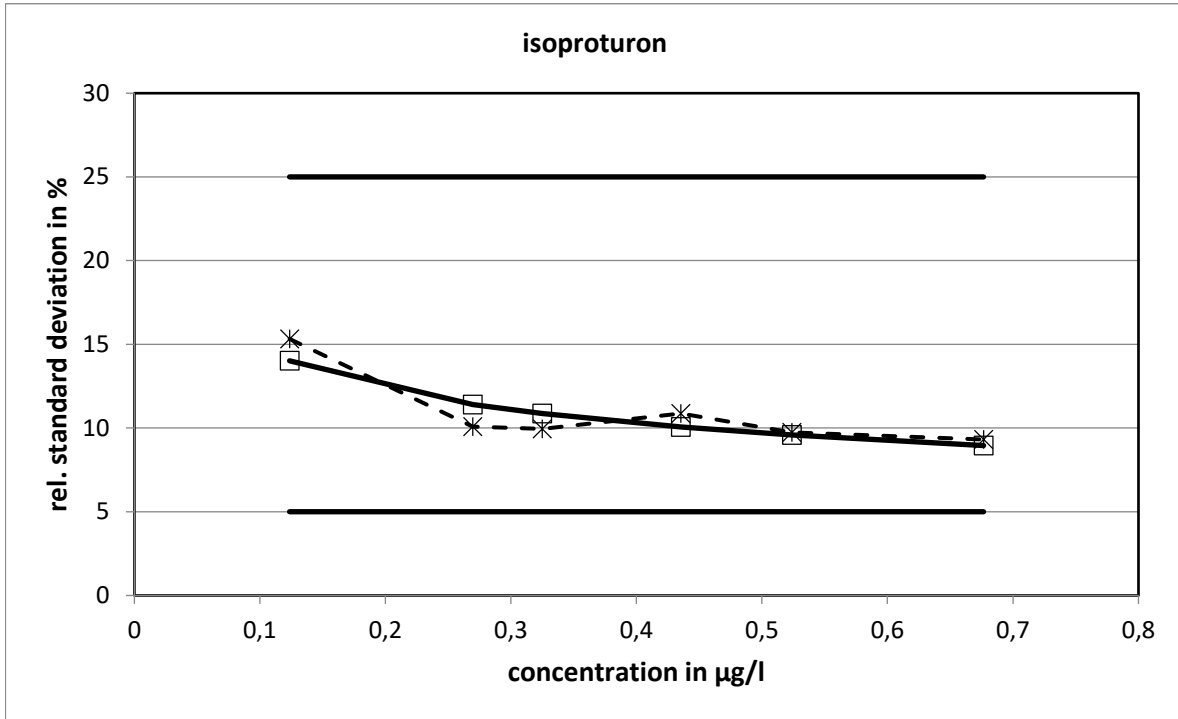
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1236	5,21	0,0189	0,0173	0,0173	14,01	0,1612	0,0912	30,38	-26,27	37	3	4	18,9
2	0,2695	2,54	0,0272	0,0308	0,0308	11,41	0,3350	0,2111	24,28	-21,66	39	1	1	5,1
3	0,3251	2,18	0,0323	0,0353	0,0353	10,86	0,3999	0,2579	23,03	-20,67	39	1	1	5,1
4	0,4353	1,75	0,0473	0,0438	0,0438	10,06	0,5277	0,3517	21,23	-19,20	36	3	0	8,3
5	0,5239	1,55	0,0510	0,0502	0,0502	9,58	0,6295	0,4279	20,15	-18,33	36	3	1	11,1
6	0,6766	1,35	0,0630	0,0606	0,0606	8,95	0,8035	0,5603	18,77	-17,19	41	2	3	12,2
sum											228	13	10	10,1

Recovery and matrix content

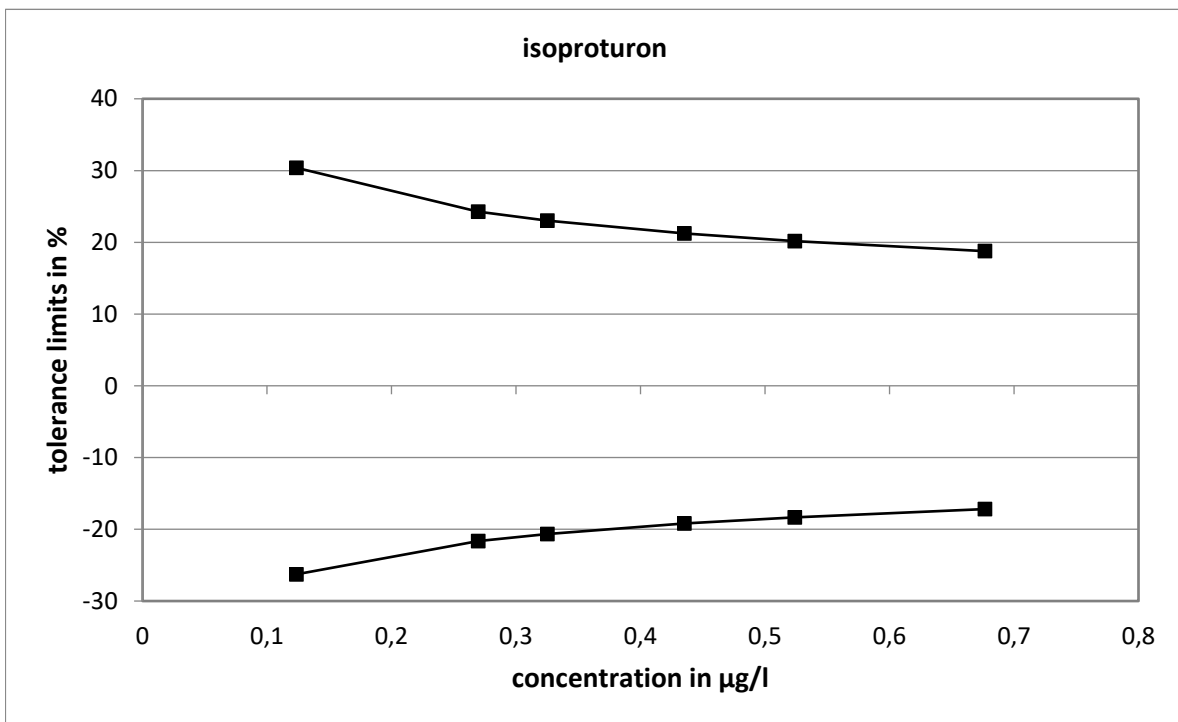


slope of the regression: 1,022; recovery rate: 102,2 %
 neg. x-axis intercept = matrix content: 0 µg/l
 expanded uncertainty of the matrix content: 0,006 µg/l = 0 %

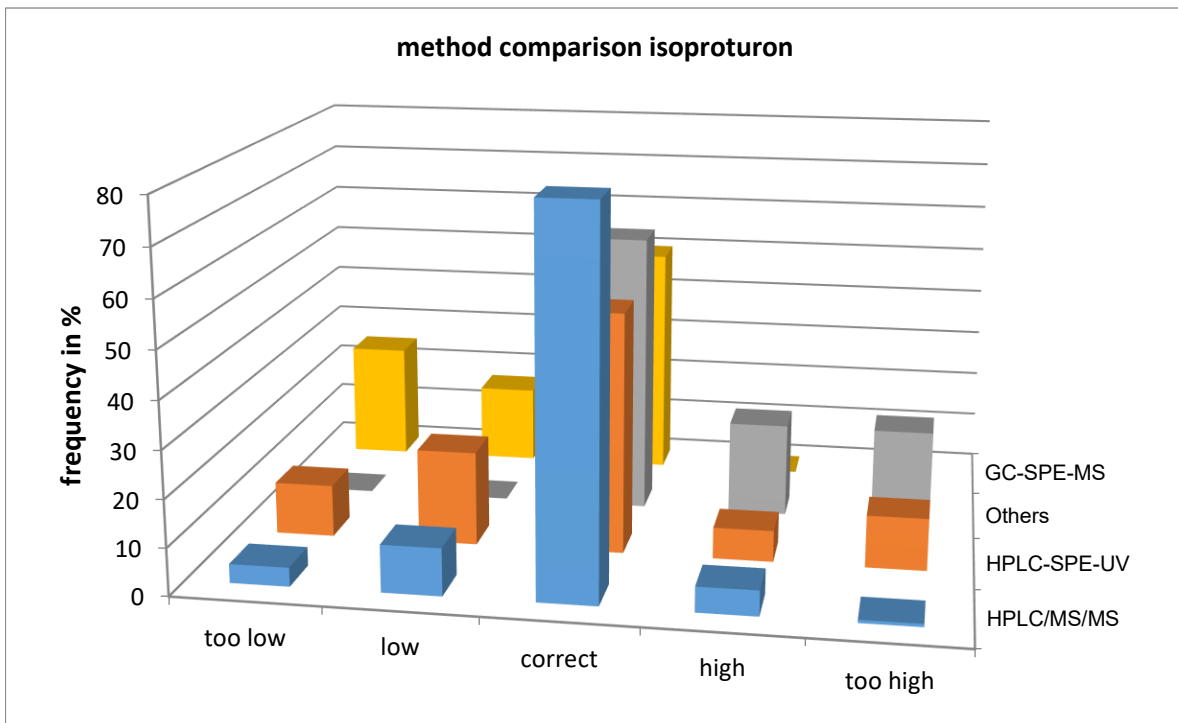
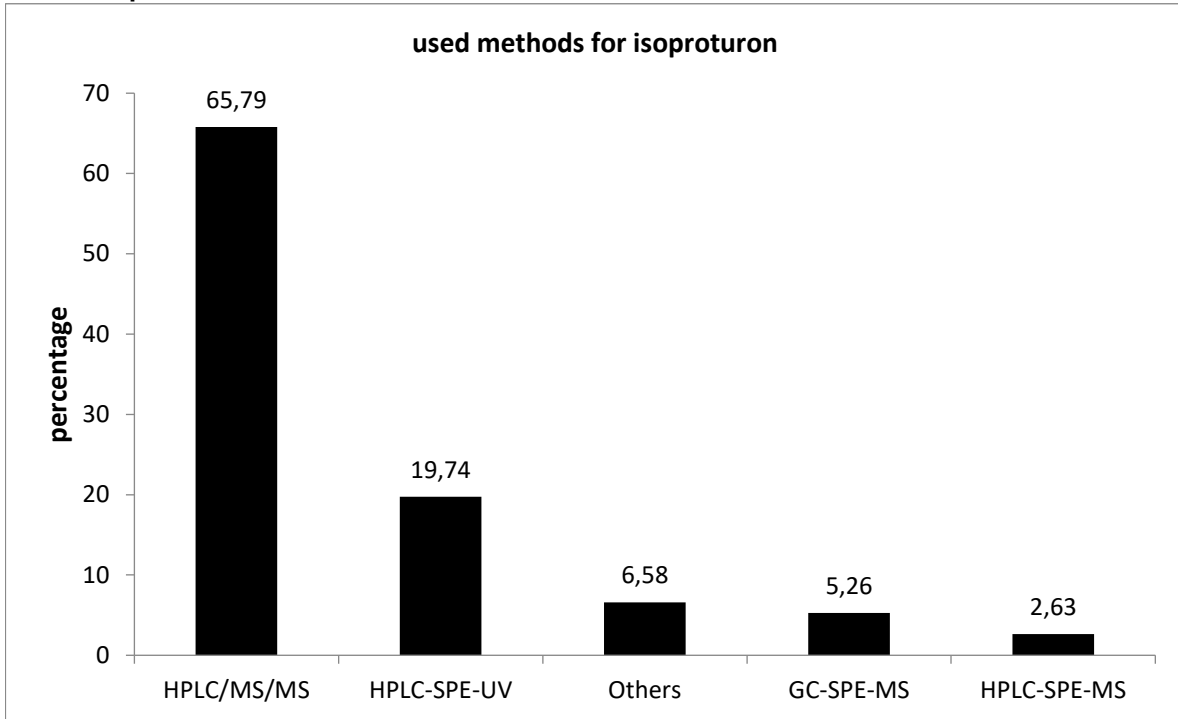
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



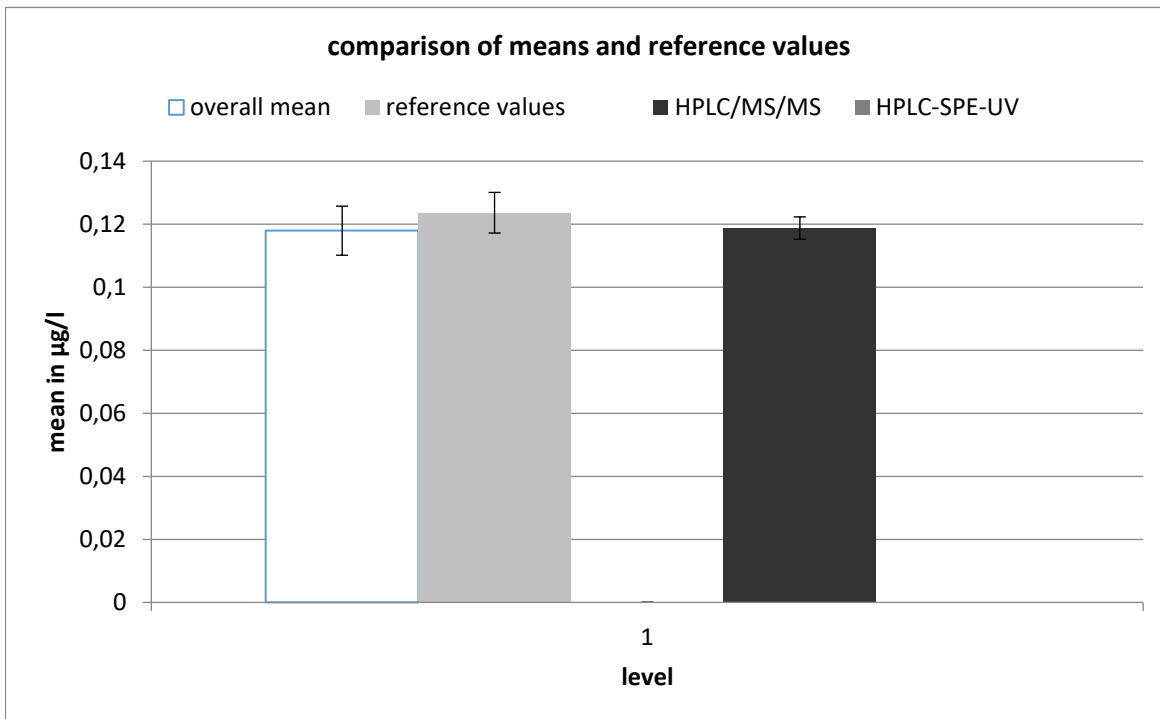
Method specific evaluation

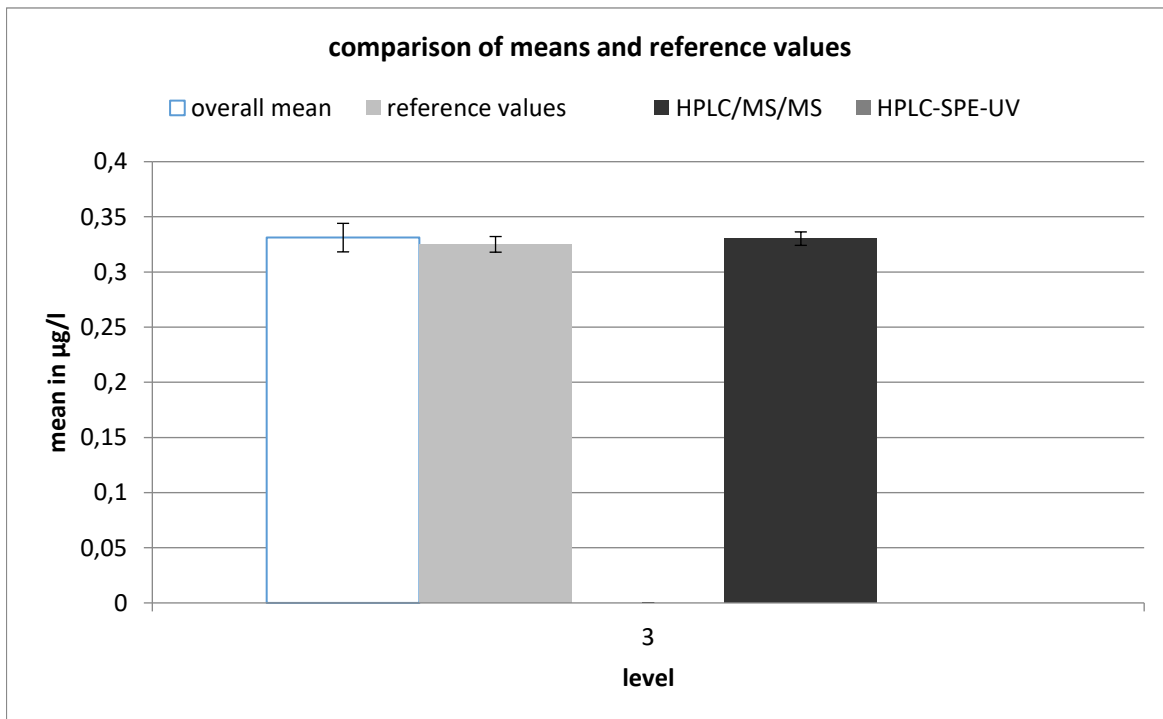
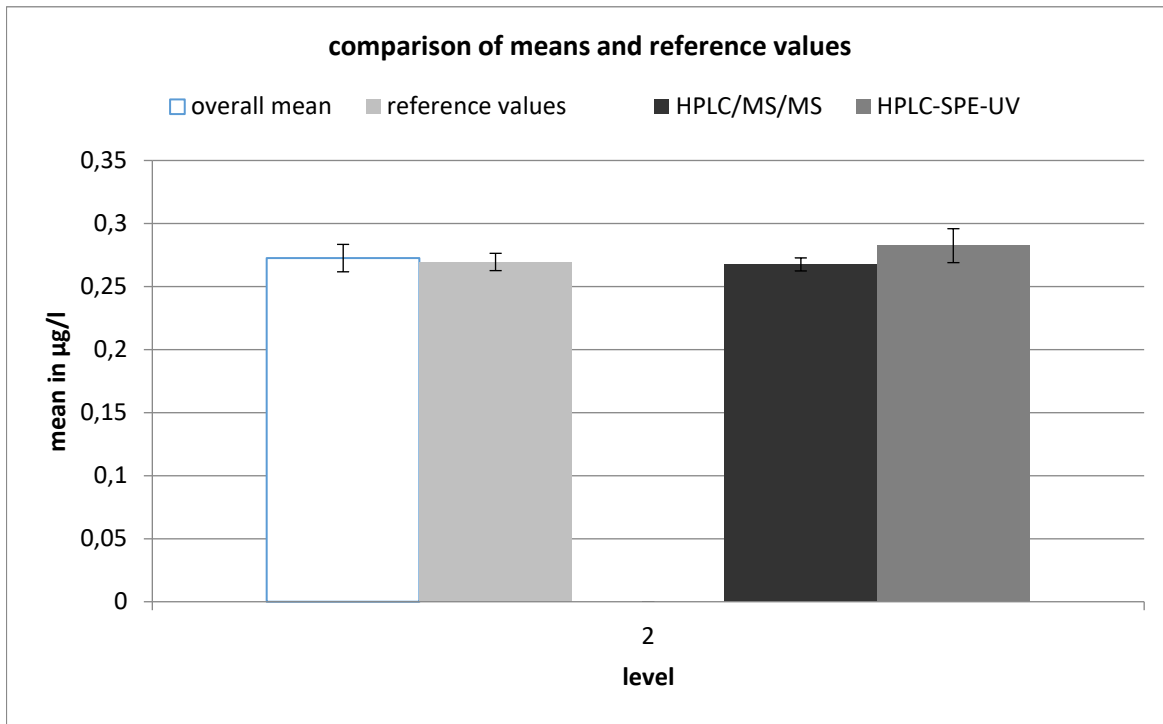


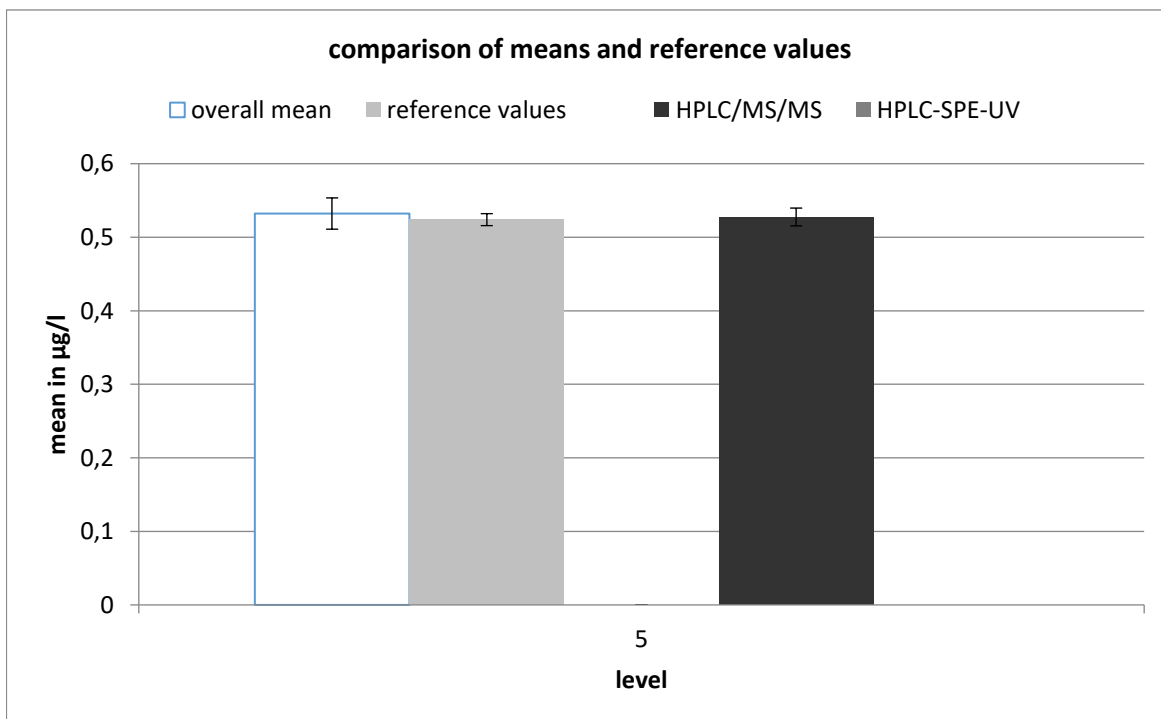
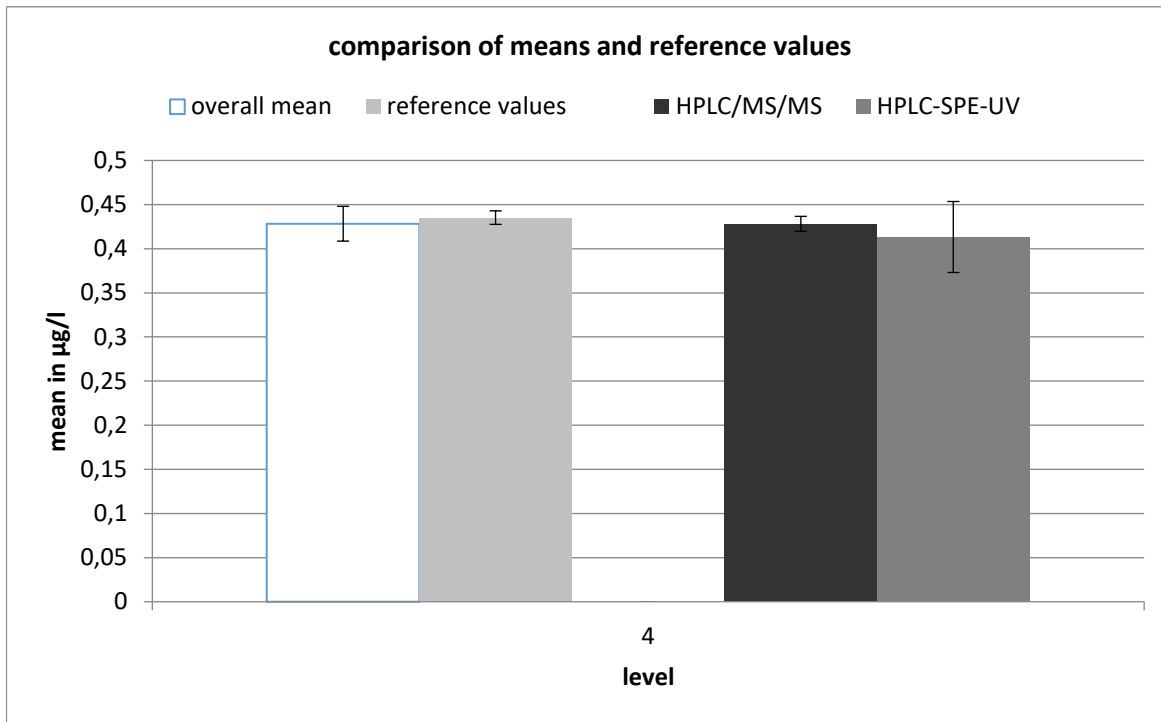
The values determined with HPLC/MS/MS showed the closest statistical distribution.

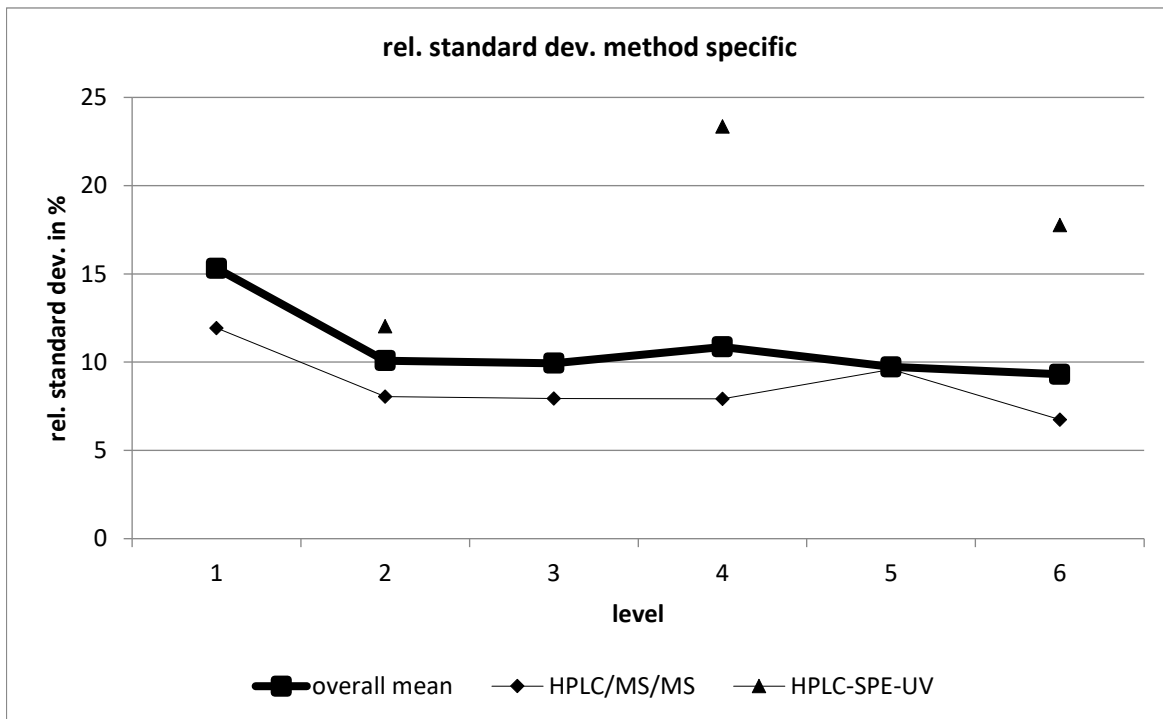
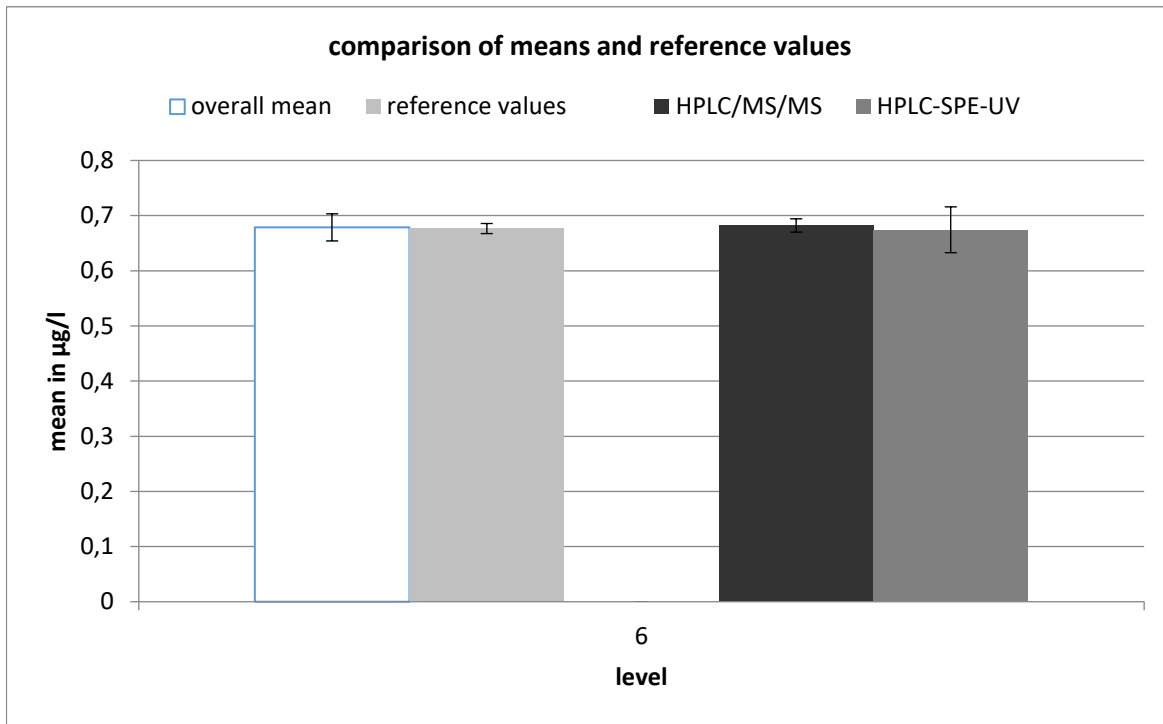
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1179	0,0078	6,6	0,1236	0,0064	5,2
2	0,2726	0,0109	4,0	0,2695	0,0069	2,5
3	0,3311	0,0129	3,9	0,3251	0,0071	2,2
4	0,4284	0,0197	4,6	0,4353	0,0076	1,8
5	0,5322	0,0212	4,0	0,5239	0,0081	1,6
6	0,6787	0,0246	3,6	0,6766	0,0091	1,4









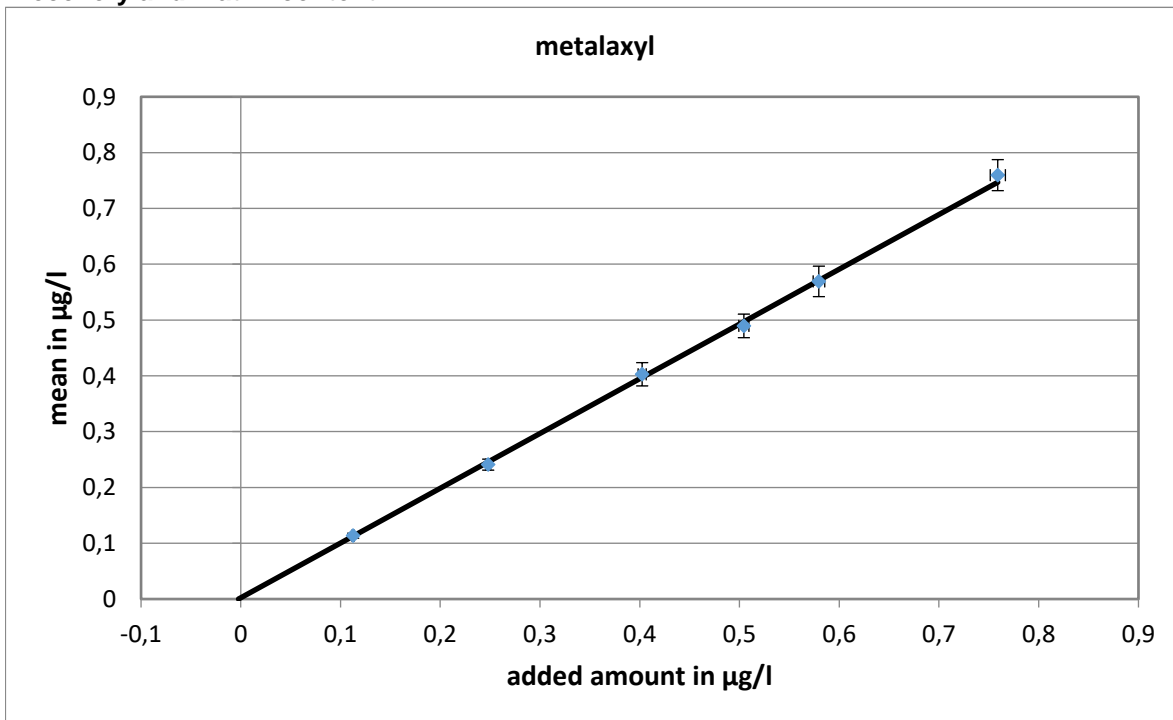
HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,119	0,004	2,985	0,014	11,94	25	2	2	16
2	0,268	0,005	1,935	0,022	8,044	27	0	1	3,7
3	0,33	0,006	1,842	0,026	7,938	29	1	1	6,9
4	0,428	0,008	1,979	0,034	7,918	25	4	0	16
5	0,528	0,012	2,306	0,051	9,584	27	3	0	11,1
6	0,682	0,012	1,759	0,046	6,749	23	1	0	4,35

HPLC-SPE-UV									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
2	0,282	0,013	4,762	0,034	12,05	10	1	1	20
4	0,413	0,04	9,732	0,097	23,36	9	1	0	11,1
6	0,674	0,042	6,161	0,12	17,77	13	0	0	0

metalaxyl

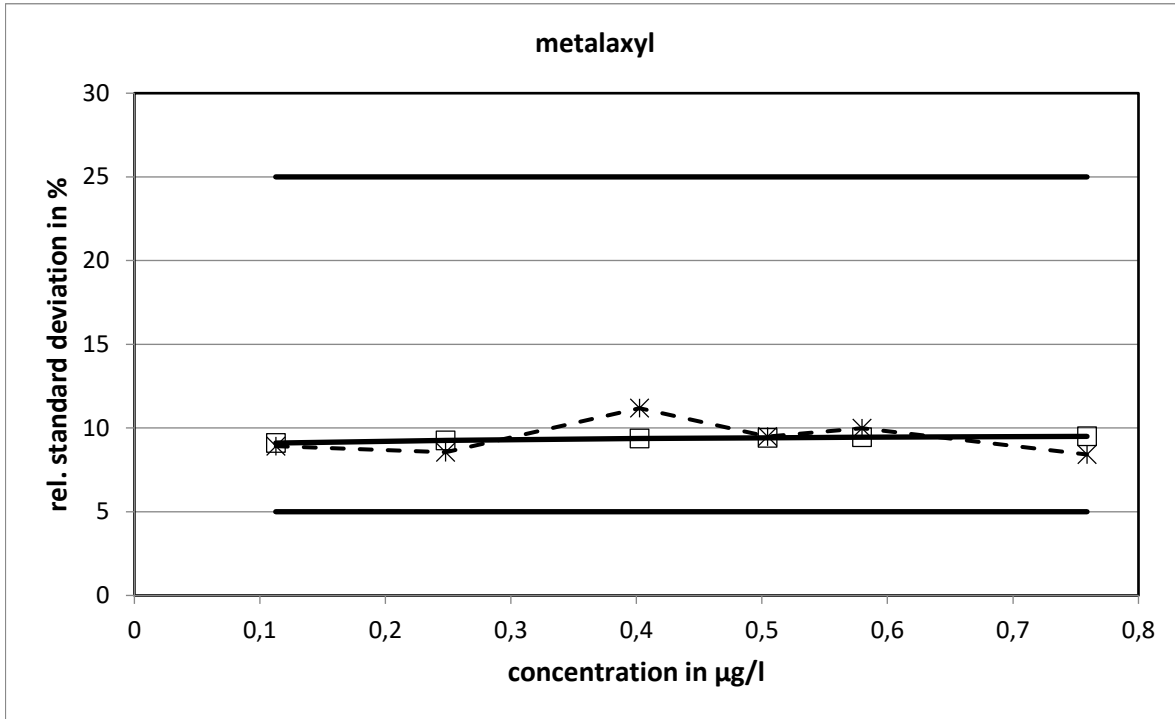
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1126	1,04	0,0101	0,0103	0,0103	9,10	0,1342	0,0930	19,11	-17,45	32	0	1	3,1
2	0,2480	1,01	0,0212	0,0230	0,0230	9,26	0,2963	0,2040	19,48	-17,74	29	2	2	13,8
3	0,4024	1,00	0,0450	0,0377	0,0377	9,37	0,4817	0,3303	19,71	-17,93	29	3	1	13,8
4	0,5044	1,00	0,0479	0,0475	0,0475	9,41	0,6043	0,4135	19,81	-18,02	32	5	1	18,8
5	0,5796	1,00	0,0579	0,0547	0,0547	9,44	0,6949	0,4749	19,88	-18,07	28	2	0	7,1
6	0,7590	1,00	0,0639	0,0721	0,0721	9,50	0,9108	0,6211	20,01	-18,17	33	2	0	6,1
sum											183	14	5	10,4

Recovery and matrix content

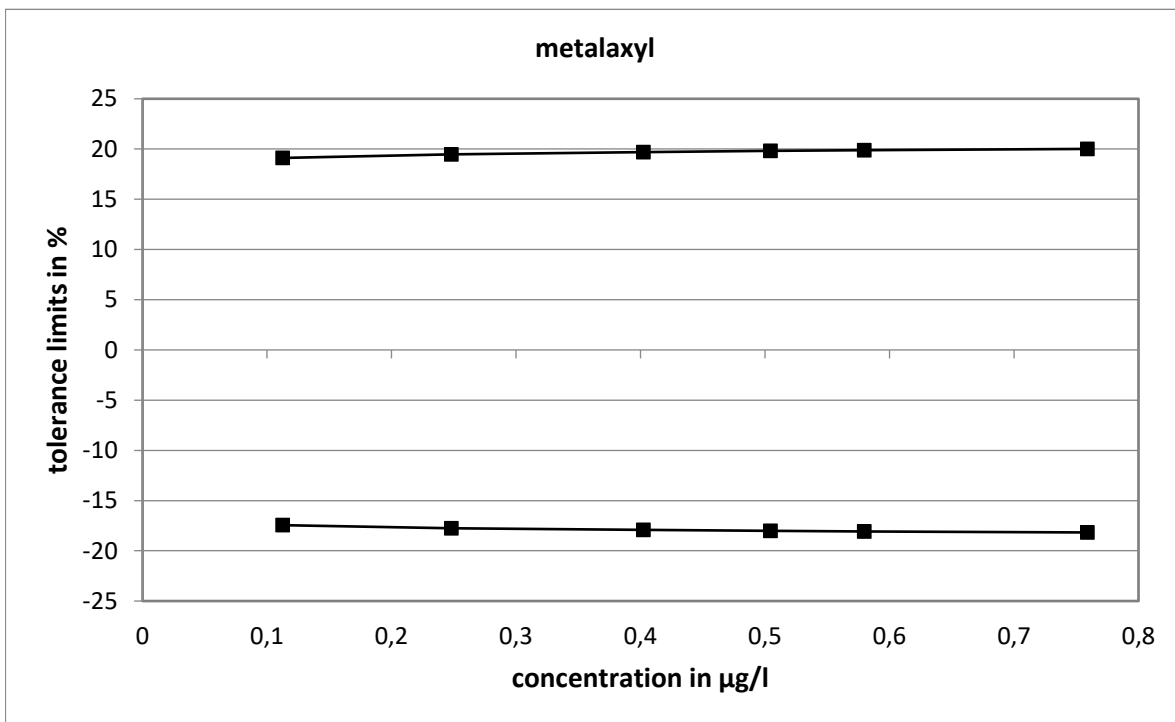


slope of the regression: 0,981; recovery rate: 98,1 %
 neg. x-axis intercept = matrix content: 0,002 µg/l
 expanded uncertainty of the matrix content: 0,002 µg/l = 100 %

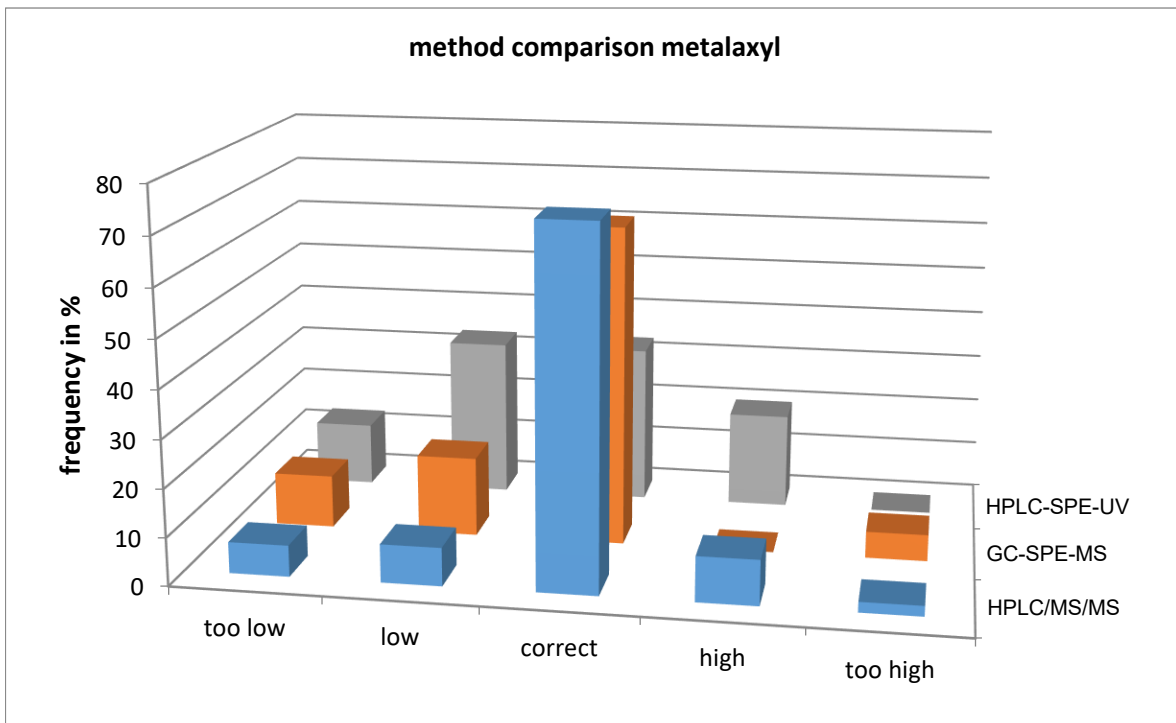
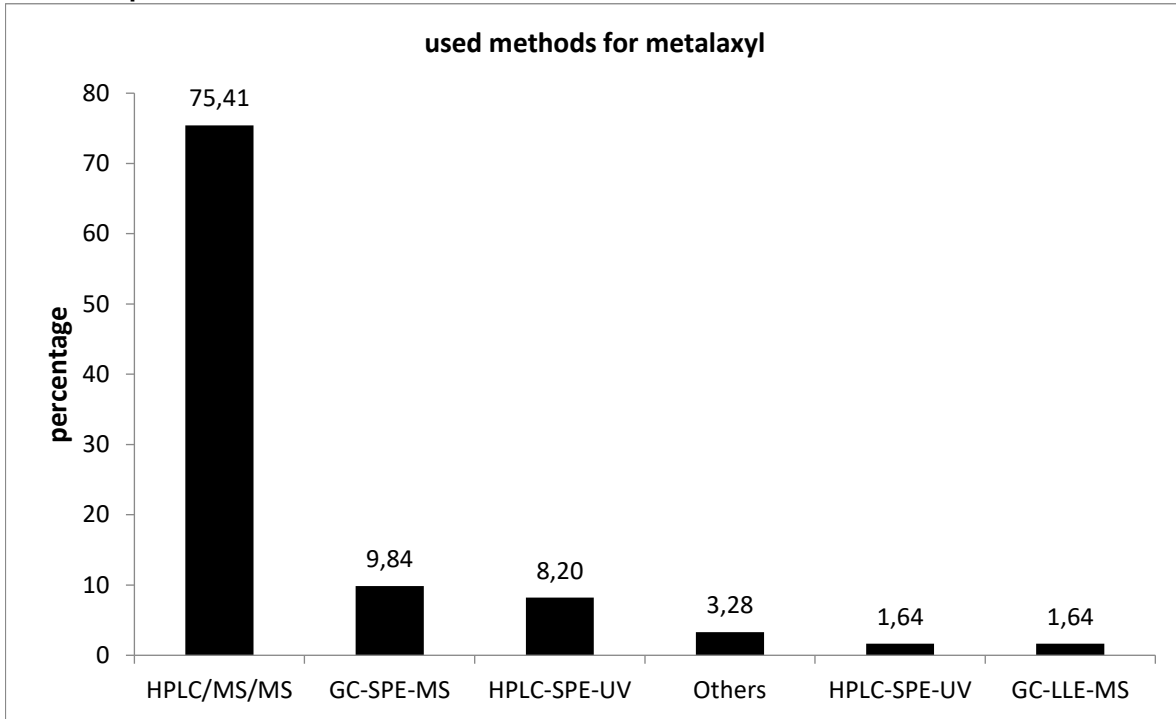
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



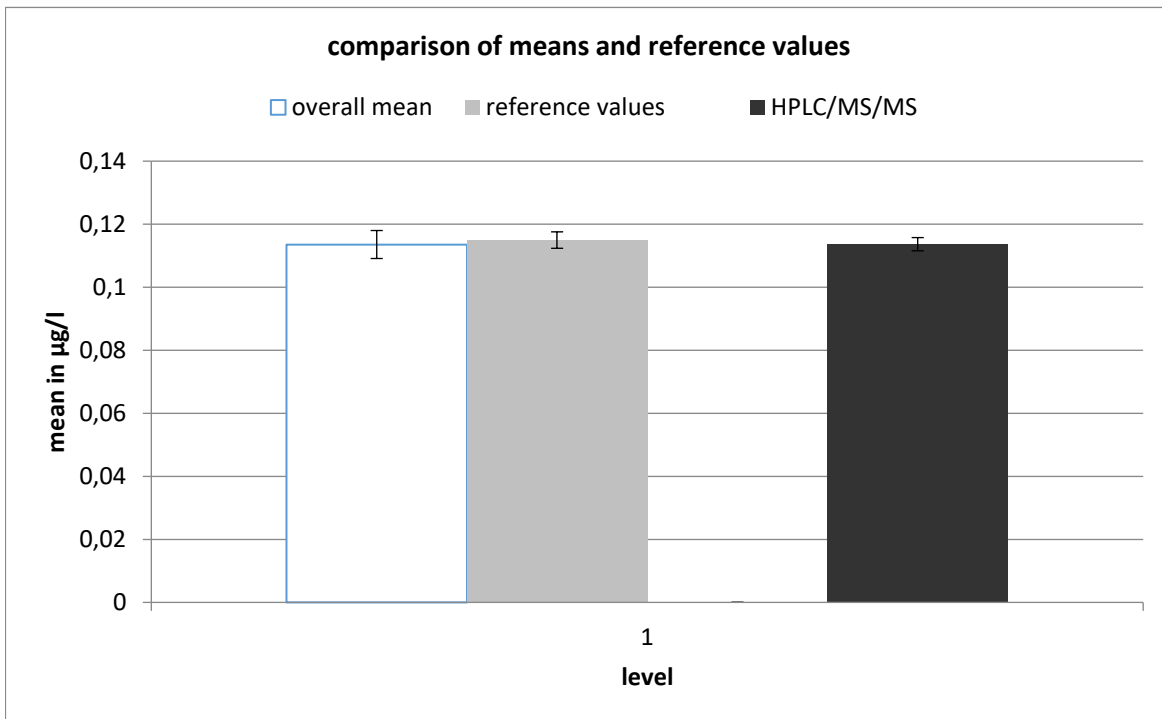
Method specific evaluation

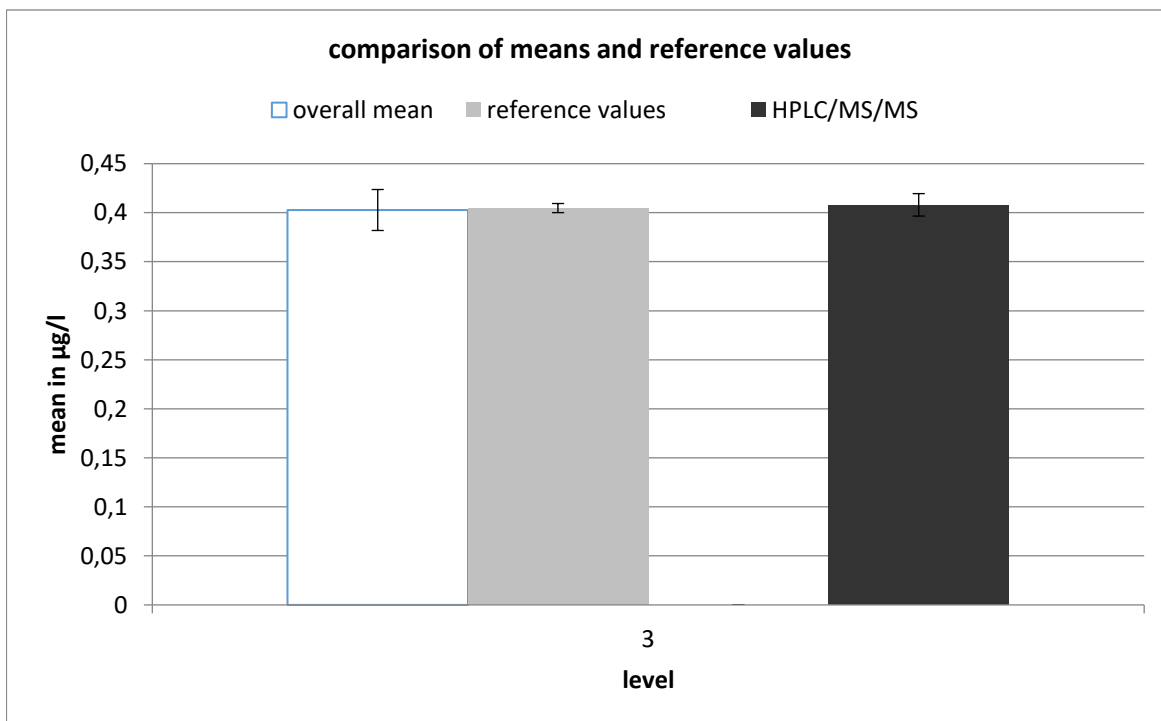
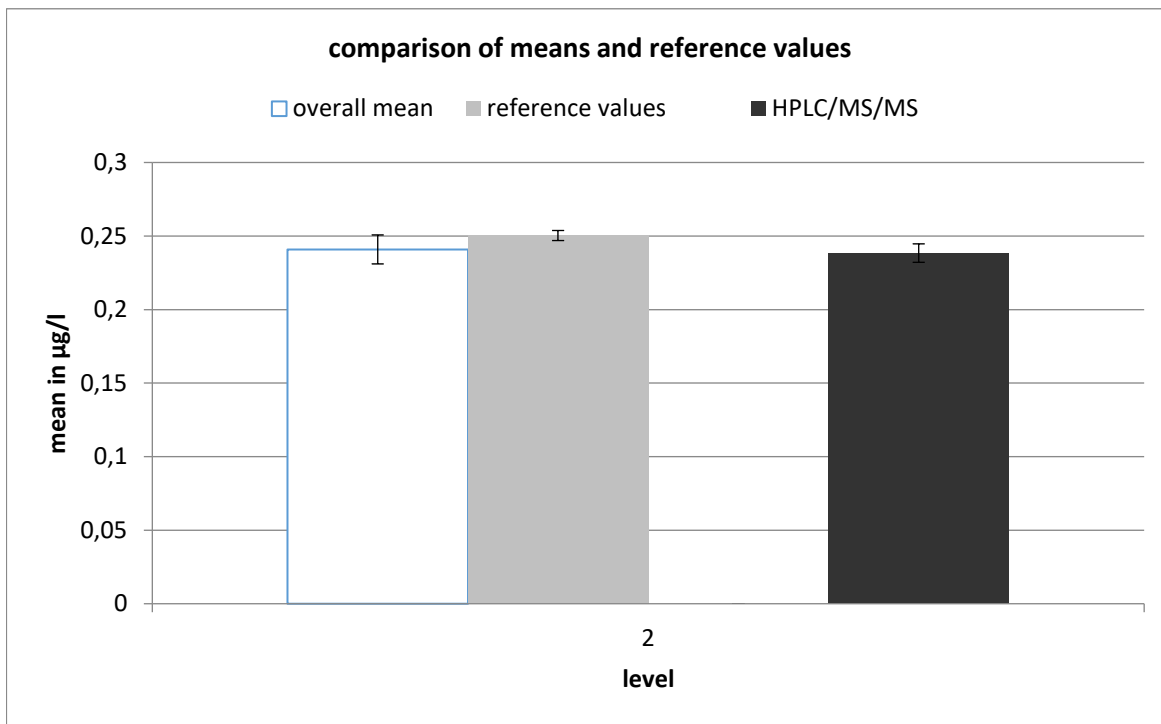


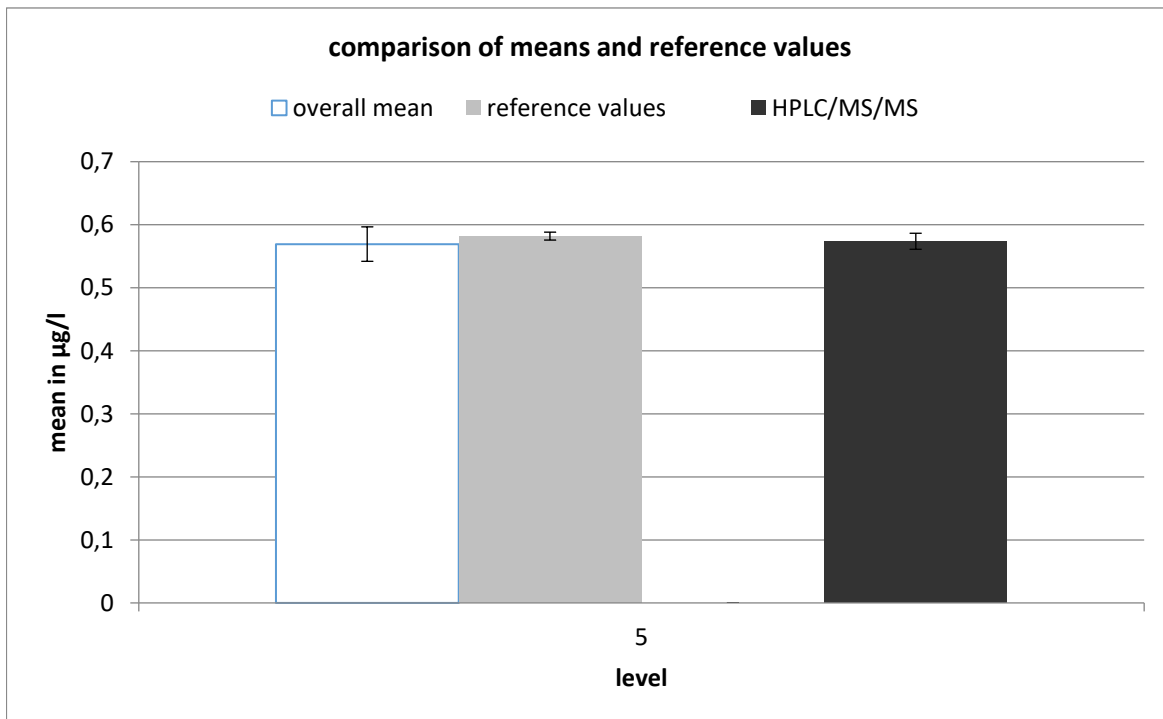
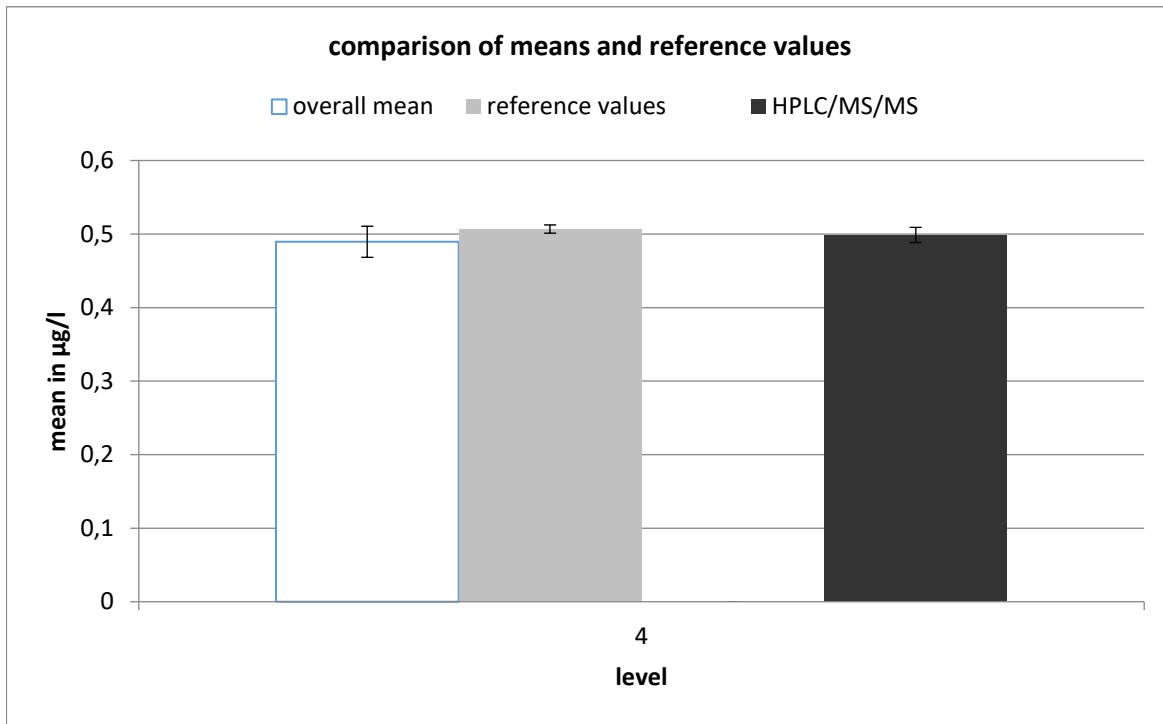
The values determined with HPLC/MS/MS showed the closest statistical distribution.

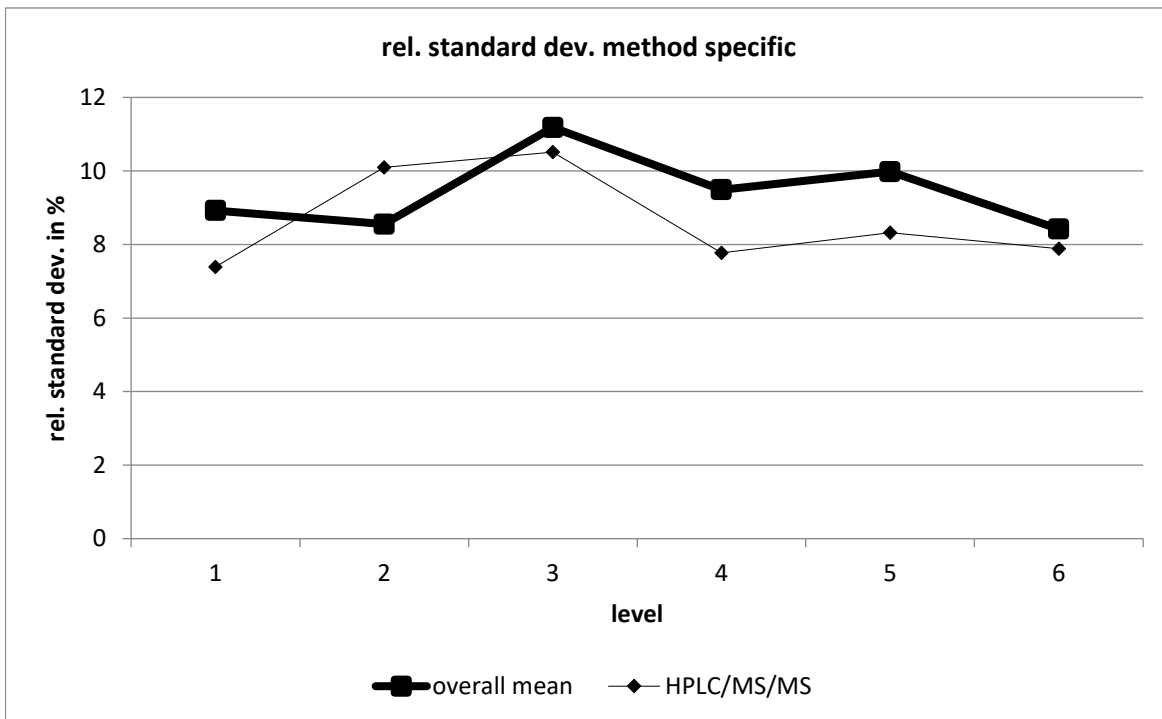
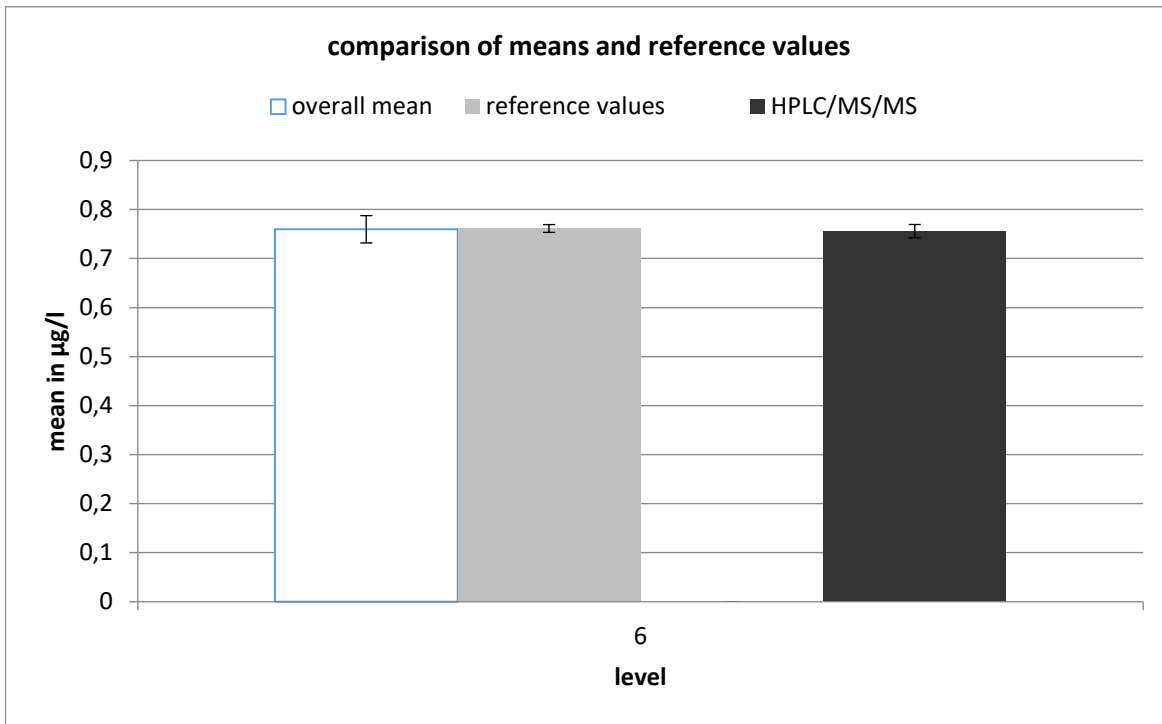
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1136	0,0044	3,9	0,1150	0,0026	2,3
2	0,2409	0,0099	4,1	0,2503	0,0034	1,4
3	0,4028	0,0209	5,2	0,4047	0,0047	1,2
4	0,4895	0,0212	4,3	0,5067	0,0056	1,1
5	0,5692	0,0273	4,8	0,5820	0,0063	1,1
6	0,7596	0,0278	3,7	0,7613	0,0080	1,0







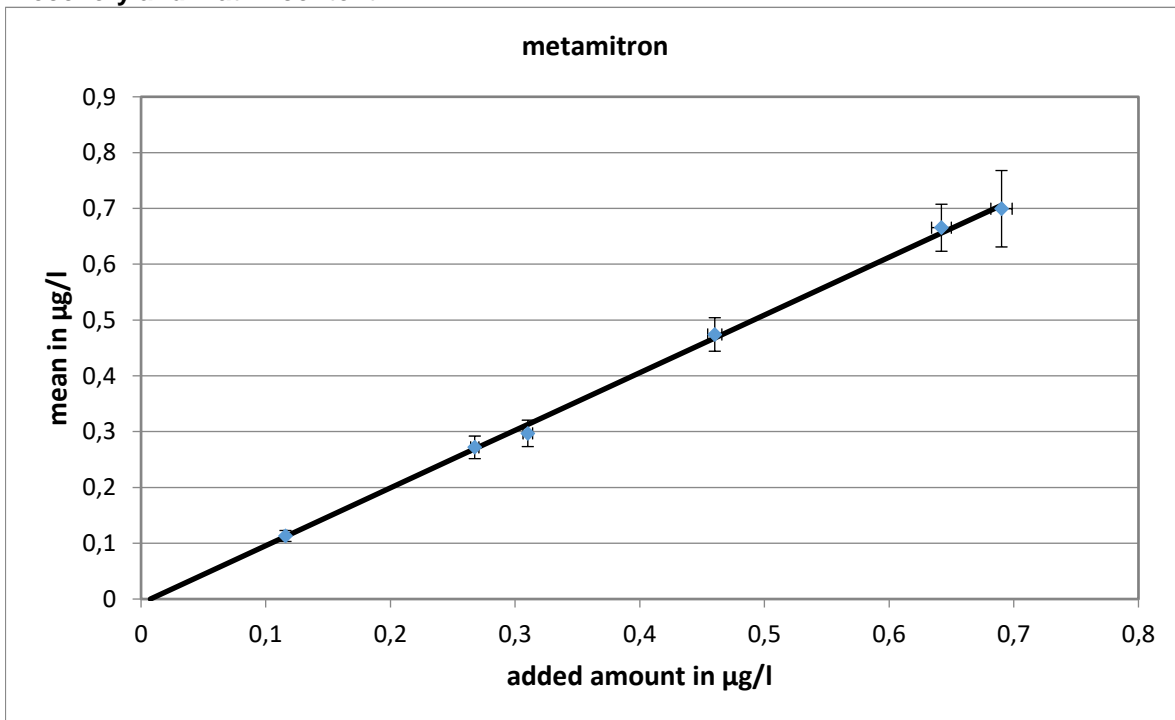


HPLC/MS/MS									
level	robust mean [µg/l]	exp. unc. of the mean [µg/l]	exp. unc. of the mean [%]	robust standard deviation [µg/l]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,114	0,002	1,848	0,008	7,392	25	0	2	8
2	0,238	0,006	2,632	0,024	10,1	23	2	1	13
3	0,408	0,011	2,801	0,043	10,51	22	3	1	18,2
4	0,499	0,01	2,071	0,039	7,771	22	4	1	22,7
5	0,574	0,013	2,218	0,048	8,323	22	2	0	9,09
6	0,756	0,014	1,799	0,06	7,884	30	2	0	6,67

metamitron

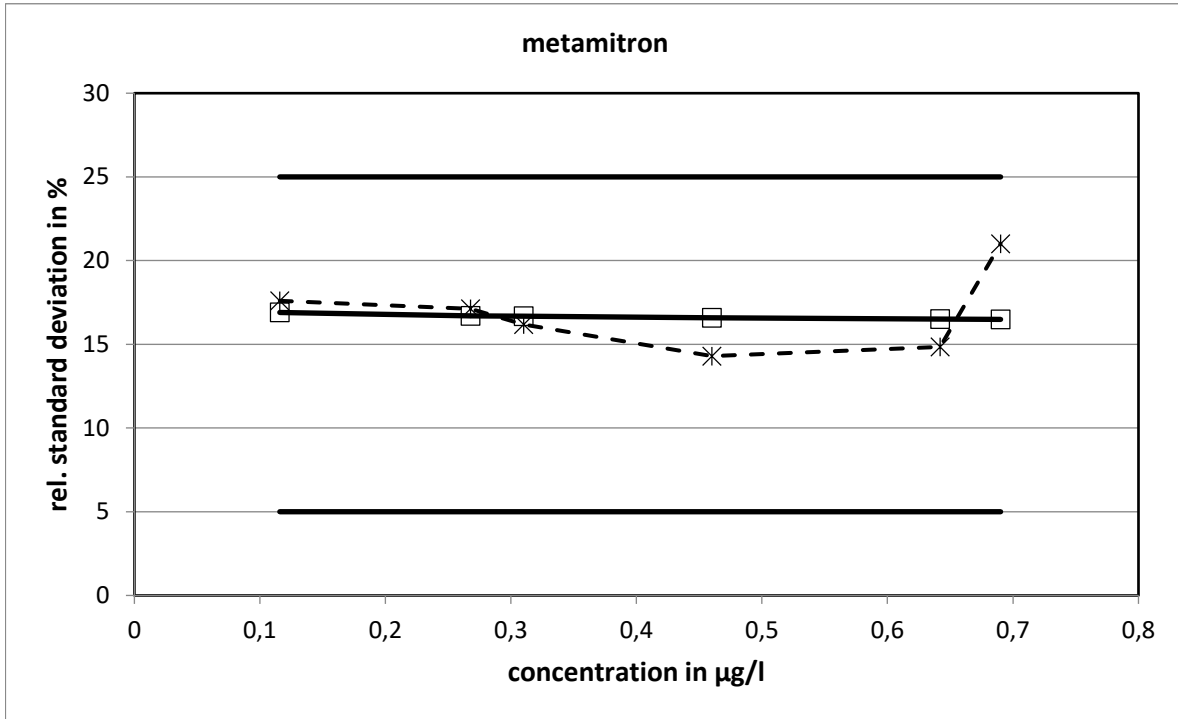
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1159	6,57	0,0204	0,0196	0,0196	16,90	0,1591	0,0795	37,30	-31,34	27	1	3	14,8
2	0,2677	3,05	0,0459	0,0447	0,0447	16,71	0,3660	0,1846	36,71	-31,06	32	3	3	18,8
3	0,3102	2,71	0,0502	0,0517	0,0517	16,67	0,4238	0,2140	36,62	-31,01	28	2	3	17,9
4	0,4602	2,04	0,0658	0,0763	0,0763	16,58	0,6274	0,3181	36,34	-30,88	30	0	1	3,3
5	0,6420	1,70	0,0953	0,1060	0,1060	16,51	0,8738	0,4445	36,11	-30,77	32	2	5	21,9
6	0,6901	1,64	0,1450	0,1138	0,1138	16,49	0,9391	0,4780	36,07	-30,74	28	1	2	10,7
sum											177	9	17	14,7

Recovery and matrix content

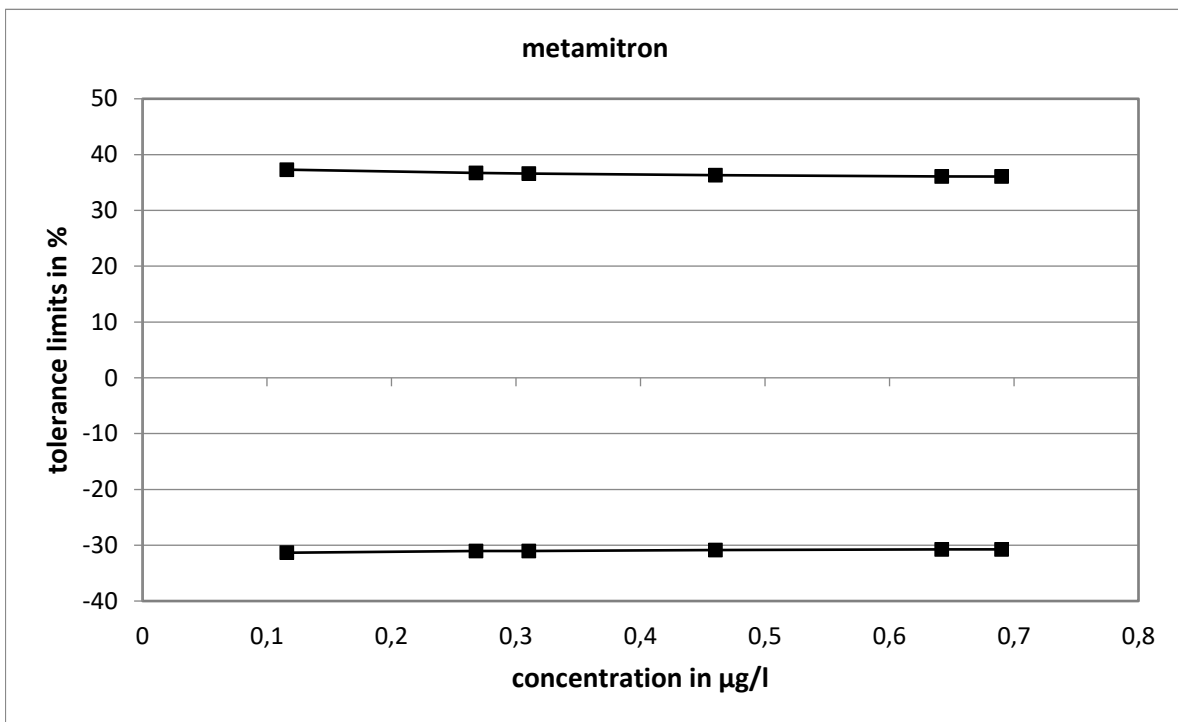


slope of the regression: 1,034; recovery rate: 103,4 %
 neg. x-axis intercept = matrix content: 0 µg/l
 expanded uncertainty of the matrix content: 0,007 µg/l = 0 %

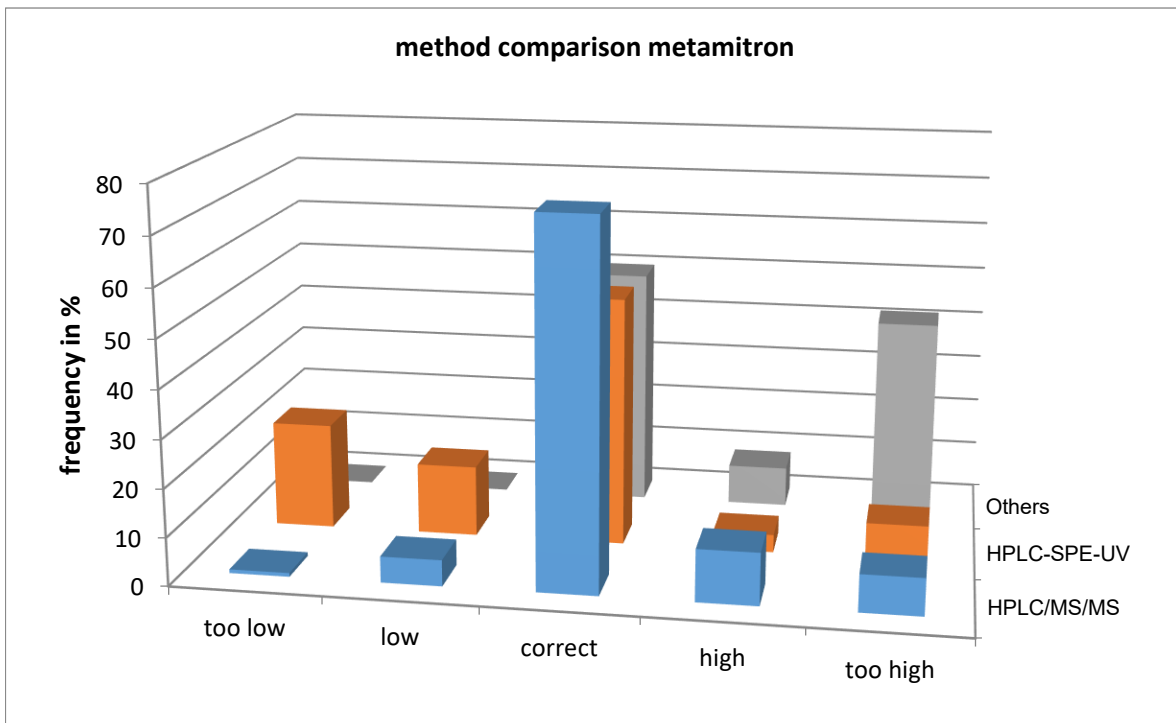
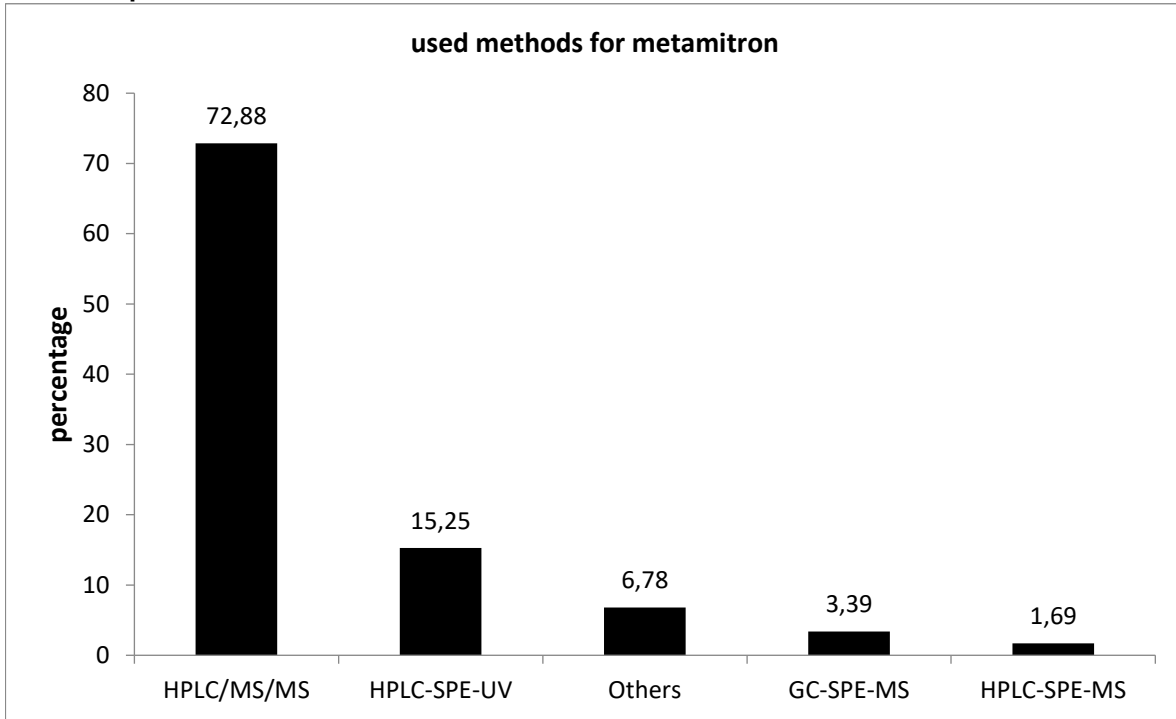
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



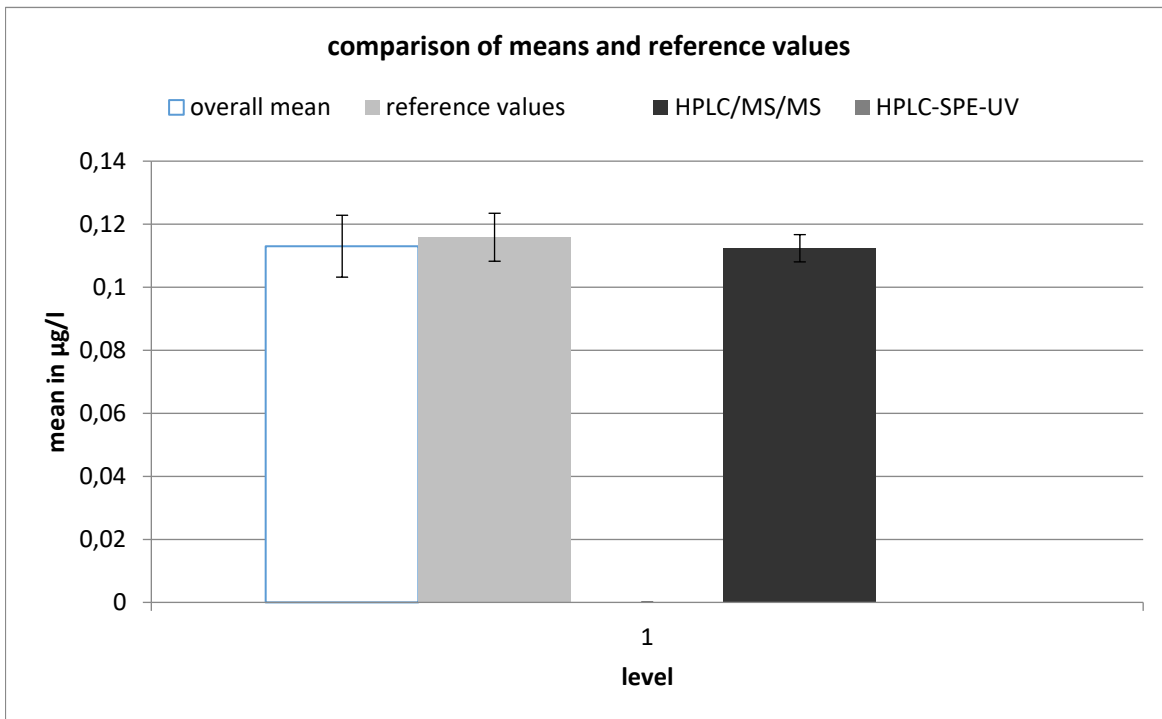
Method specific evaluation

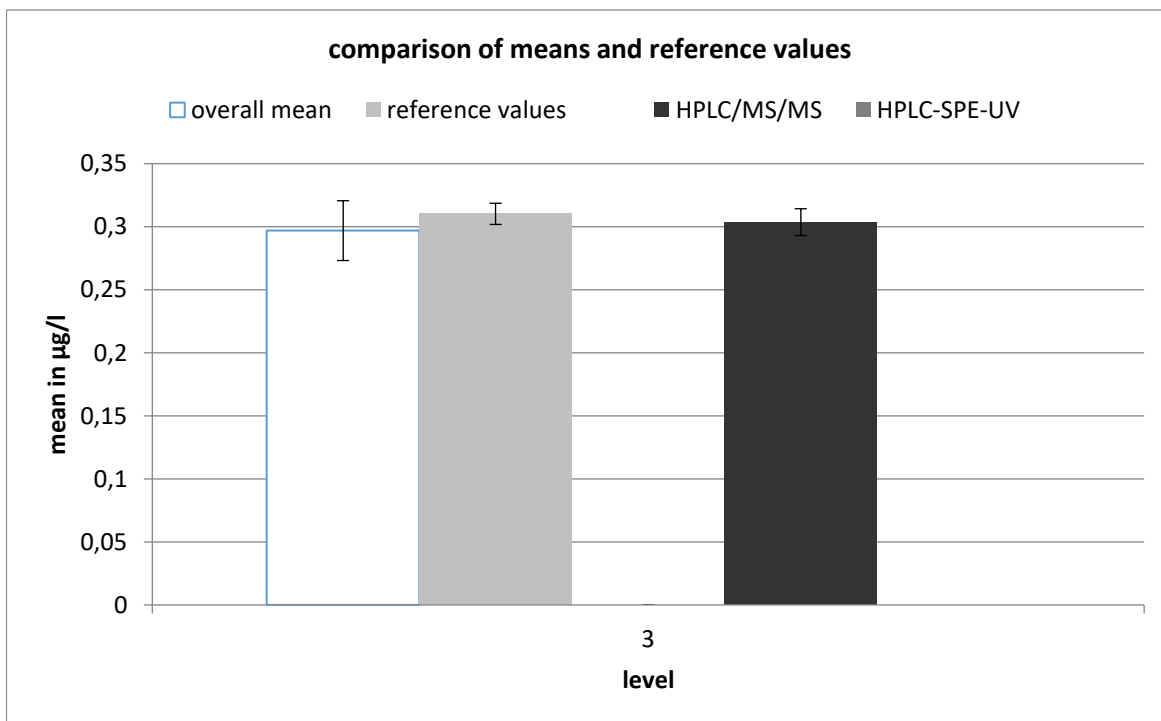
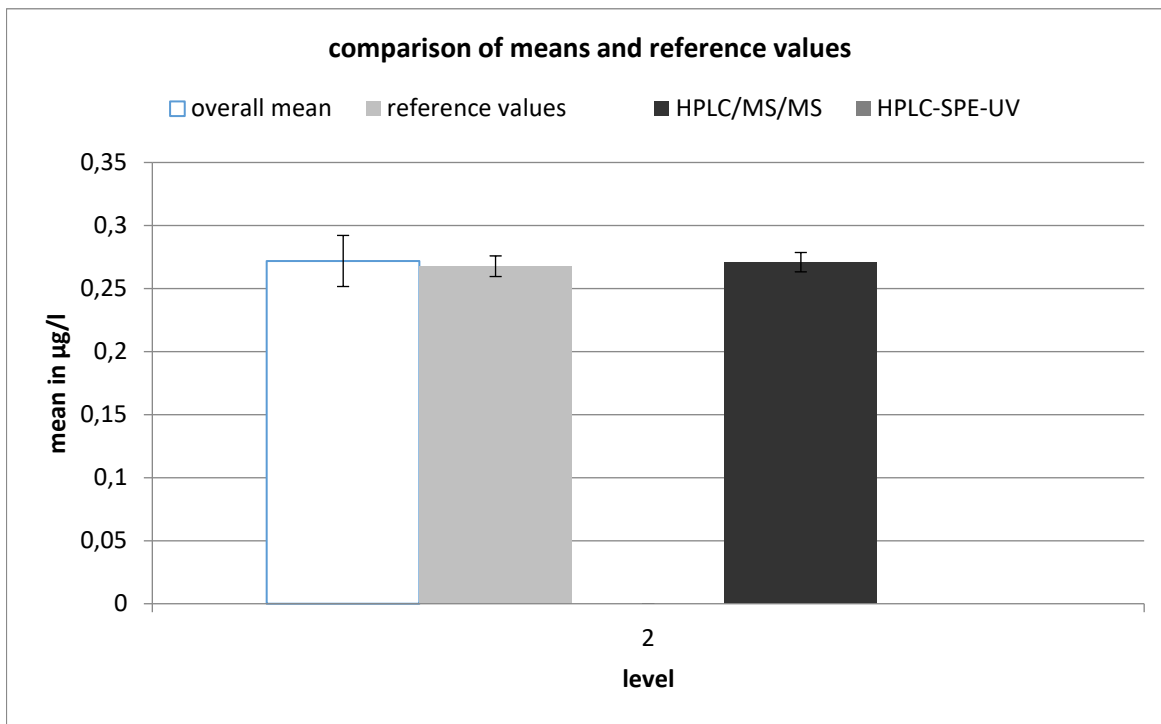


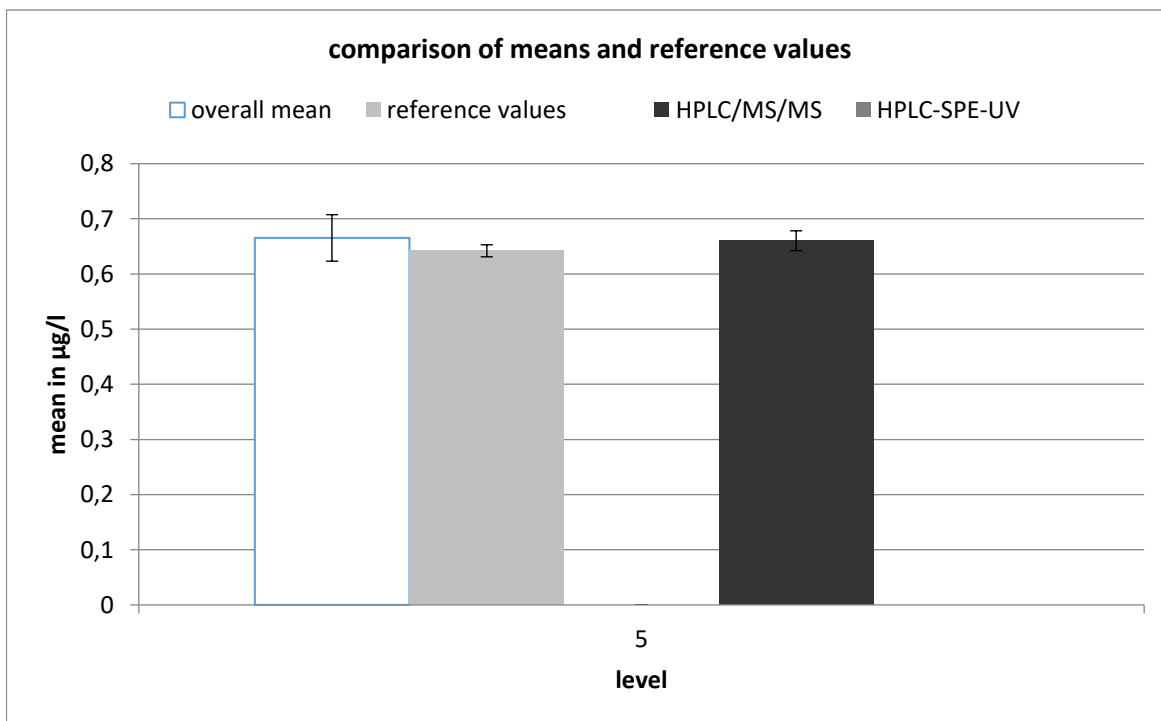
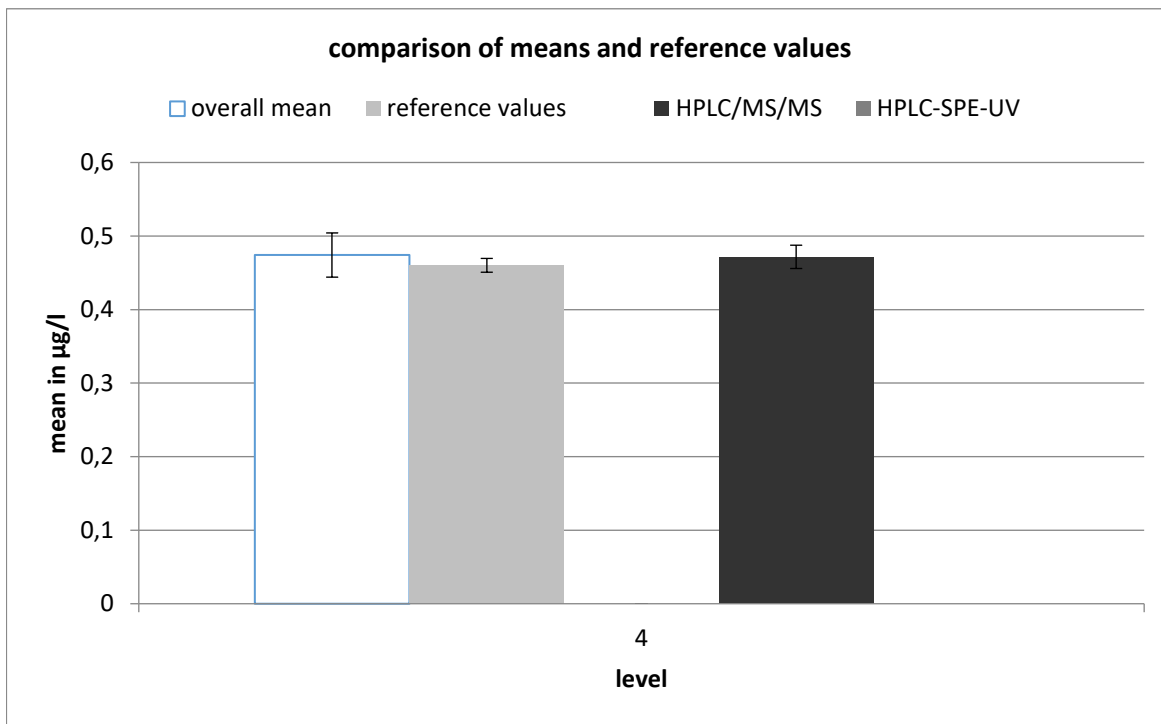
The values determined with HPLC/MS/MS showed the closest statistical distribution.
 The application of HPLC-SPE-UV lead to a higher ratio of too low values.

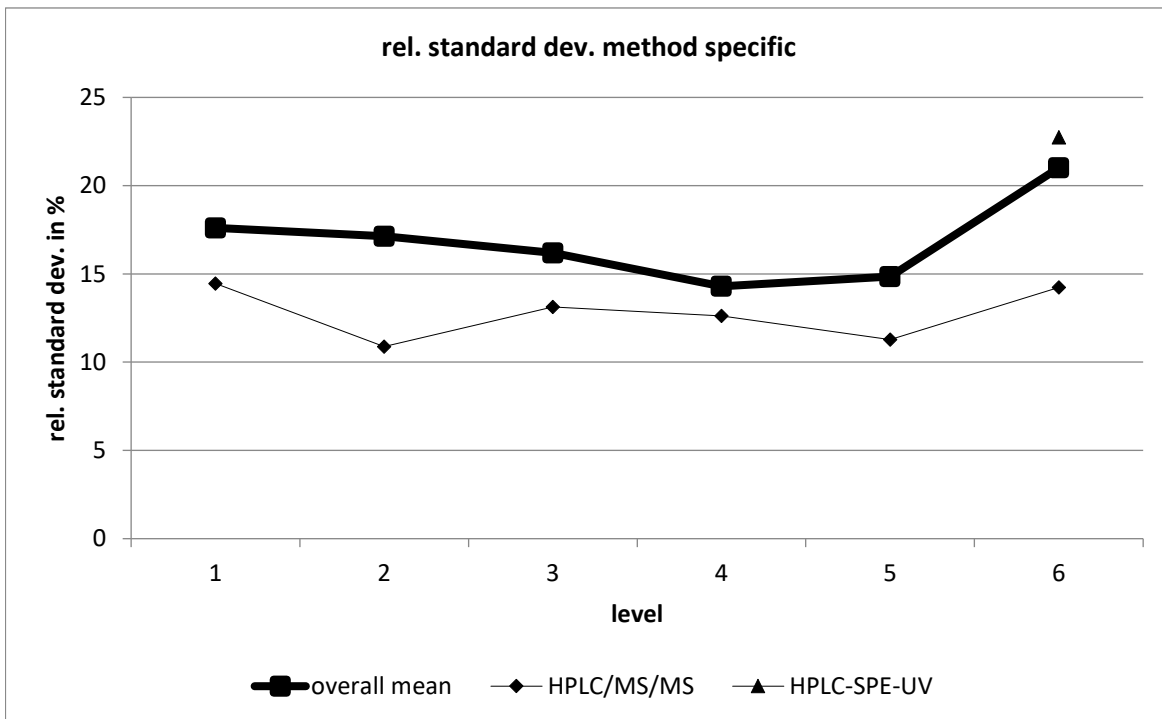
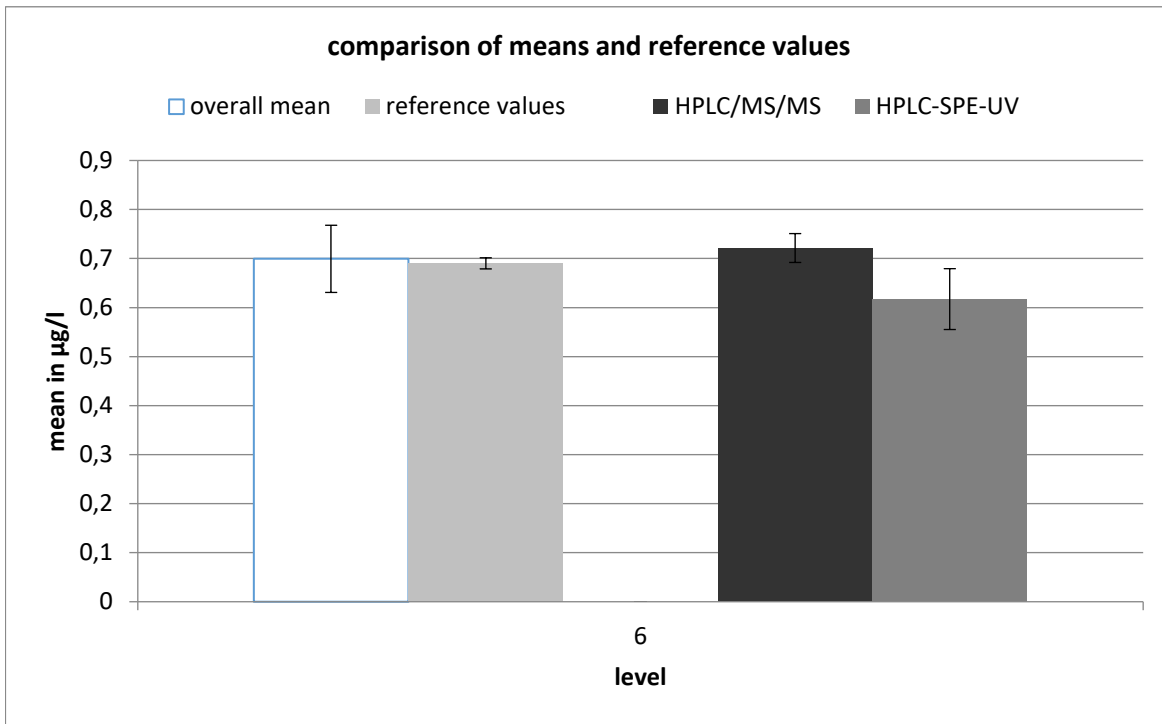
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1130	0,0098	8,7	0,1159	0,0076	6,6
2	0,2719	0,0203	7,5	0,2677	0,0082	3,1
3	0,2969	0,0237	8,0	0,3102	0,0084	2,7
4	0,4741	0,0300	6,3	0,4602	0,0094	2,0
5	0,6654	0,0421	6,3	0,6420	0,0109	1,7
6	0,6994	0,0685	9,8	0,6901	0,0113	1,6









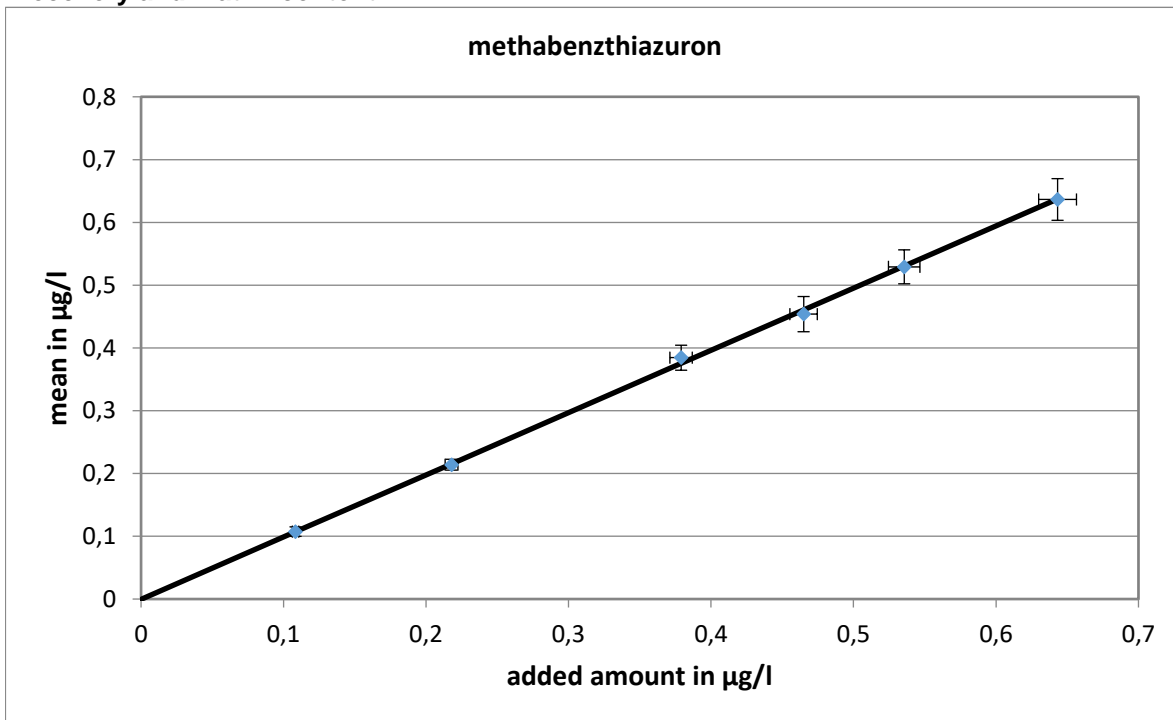
HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,112	0,004	3,853	0,016	14,46	22	0	2	9,09
2	0,271	0,008	2,837	0,029	10,88	23	1	6	30,4
3	0,304	0,011	3,5	0,04	13,13	22	0	3	13,6
4	0,472	0,016	3,362	0,06	12,62	22	2	1	13,6
5	0,66	0,018	2,713	0,074	11,28	27	1	3	14,8
6	0,721	0,029	4,08	0,103	14,23	19	0	2	10,5

HPLC-SPE-UV									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
6	0,617	0,062	10,05	0,14	22,74	8	0	0	0

methabenzthiazuron

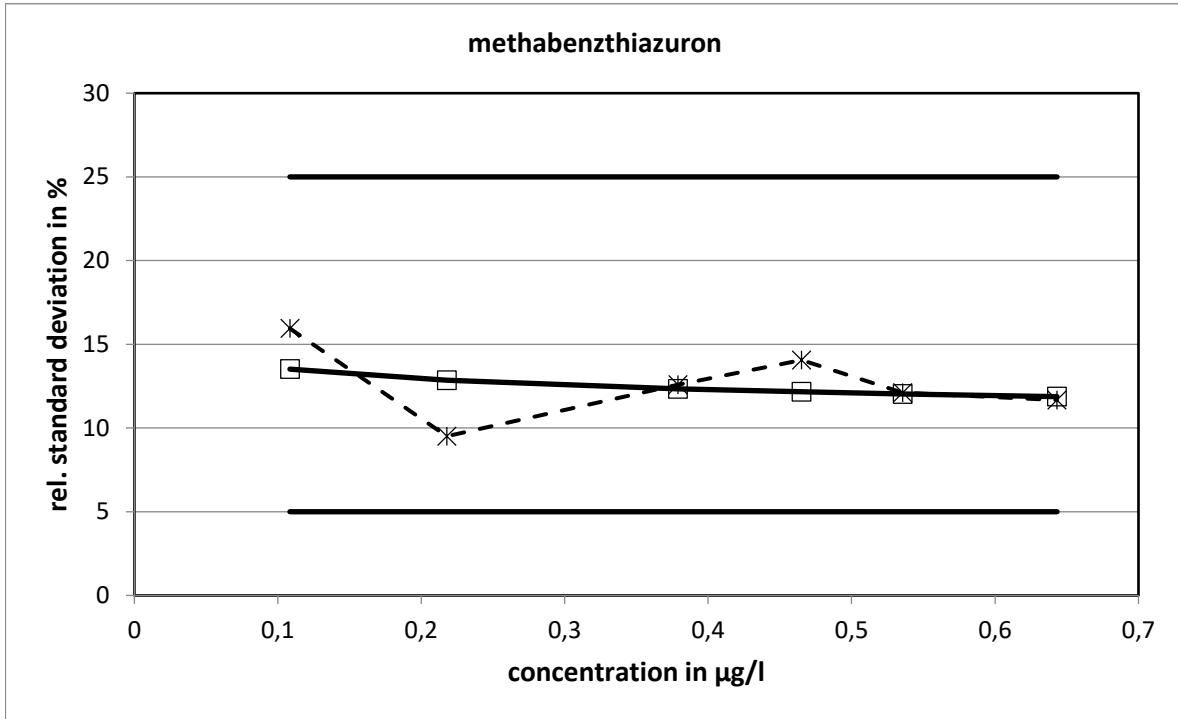
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1084	2,13	0,0173	0,0147	0,0147	13,52	0,1400	0,0809	29,14	-25,43	33	2	3	15,2
2	0,2179	2,08	0,0207	0,0280	0,0280	12,85	0,2780	0,1651	27,59	-24,24	36	1	3	11,1
3	0,3790	2,07	0,0477	0,0468	0,0468	12,34	0,4791	0,2906	26,41	-23,33	36	0	3	8,3
4	0,4650	2,07	0,0654	0,0565	0,0565	12,16	0,5859	0,3580	26,00	-23,00	34	2	1	8,8
5	0,5356	2,07	0,0649	0,0645	0,0645	12,03	0,6733	0,4136	25,71	-22,78	36	2	1	8,3
6	0,6432	2,07	0,0751	0,0764	0,0764	11,87	0,8063	0,4985	25,35	-22,49	32	2	2	12,5
sum											207	9	13	10,6

Recovery and matrix content

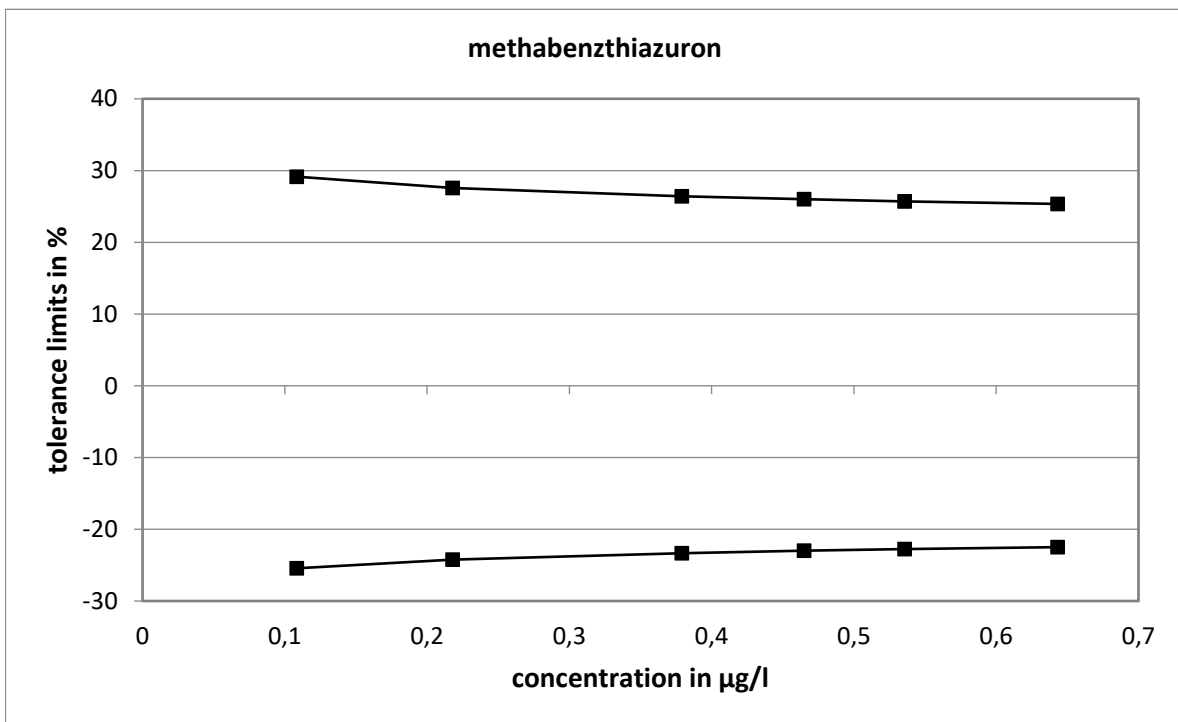


slope of the regression: 0,991; recovery rate: 99,1 %
 neg. x-axis intercept = matrix content: 0 µg/l
 expanded uncertainty of the matrix content: 0,0005 µg/l = 0 %

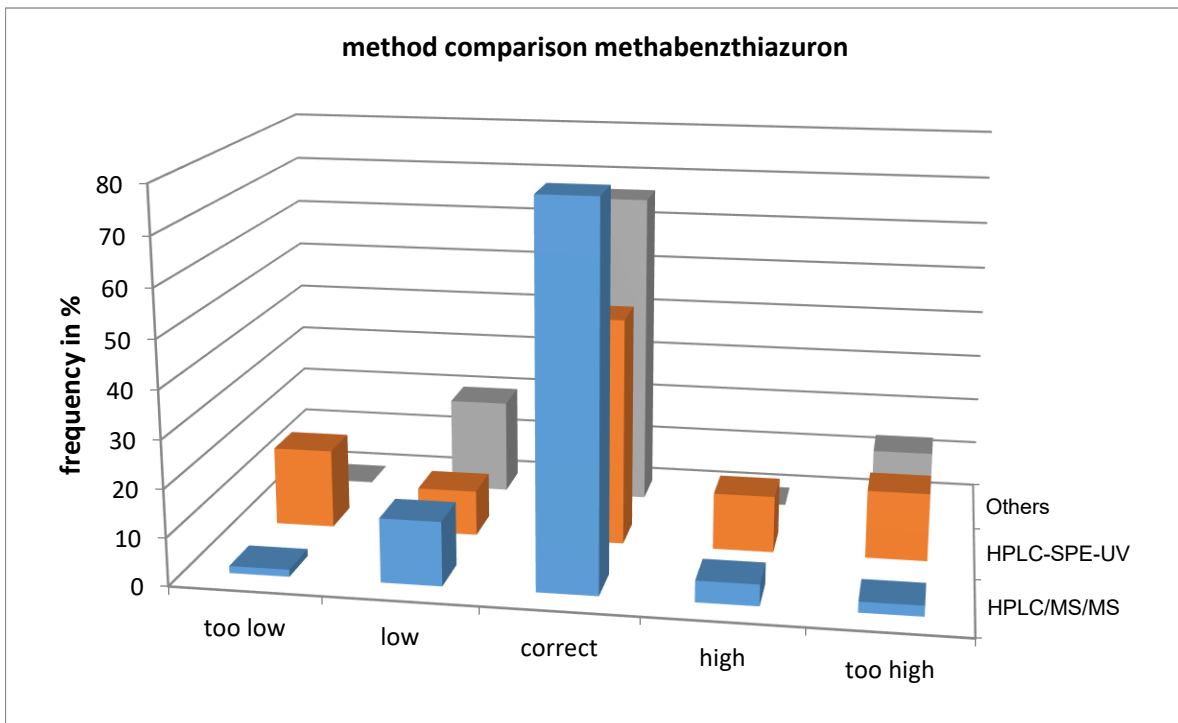
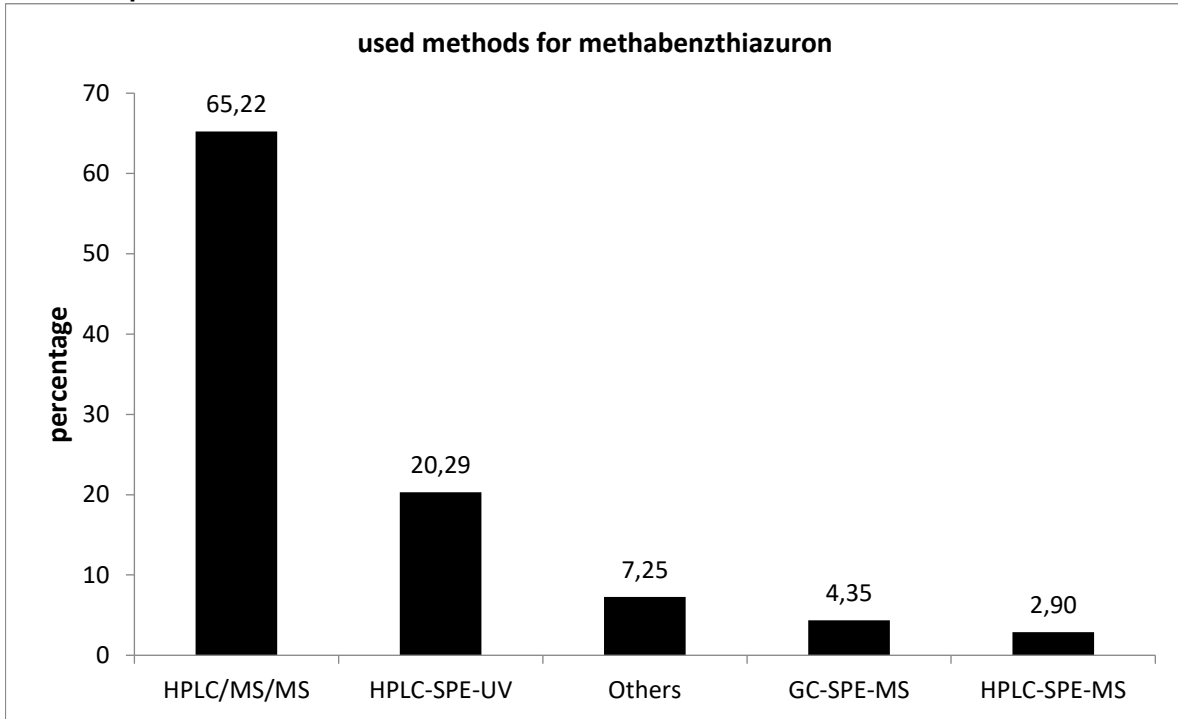
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



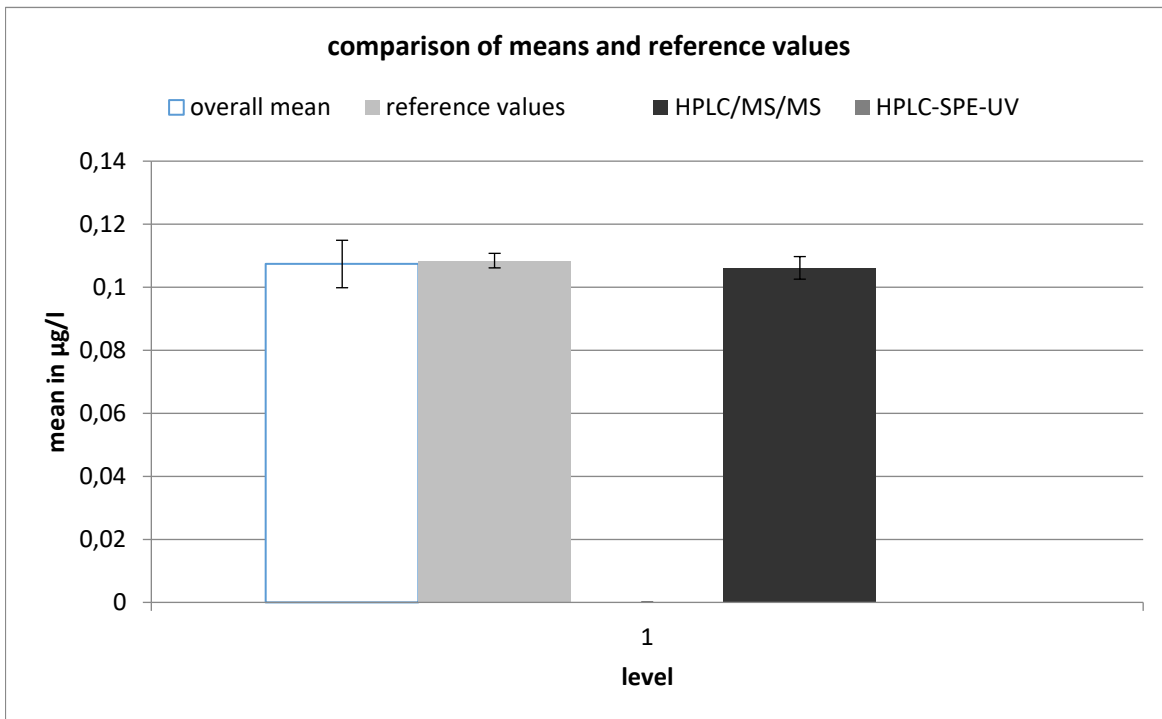
Method specific evaluation

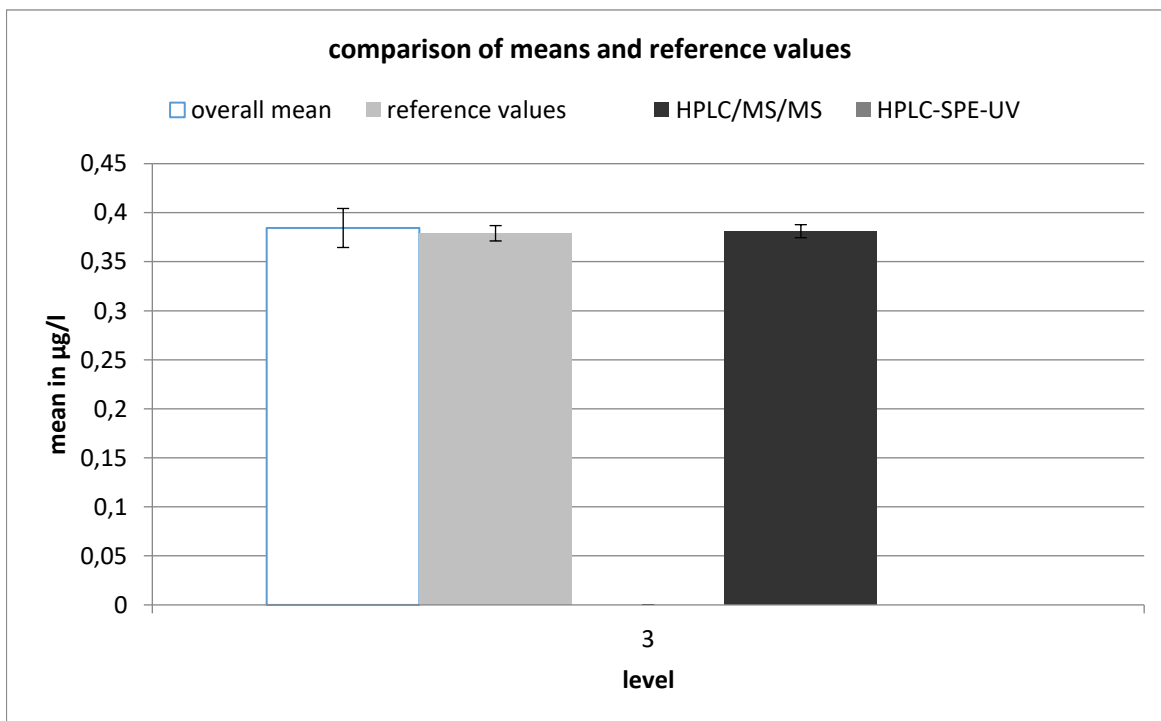
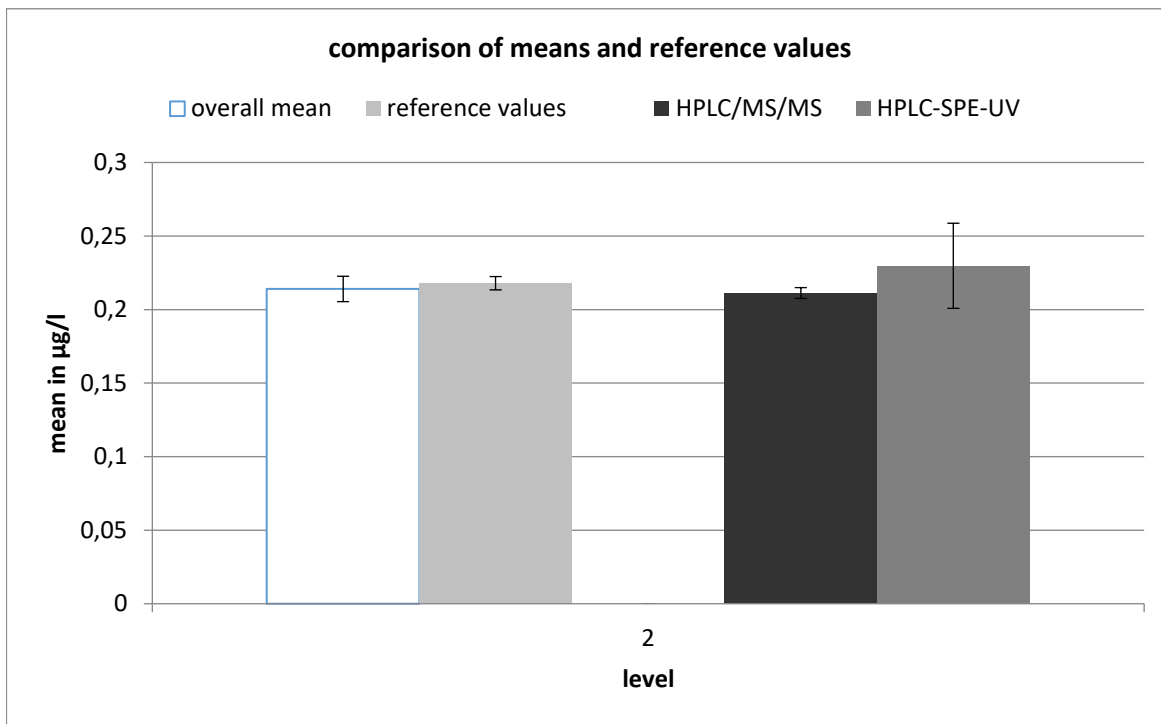


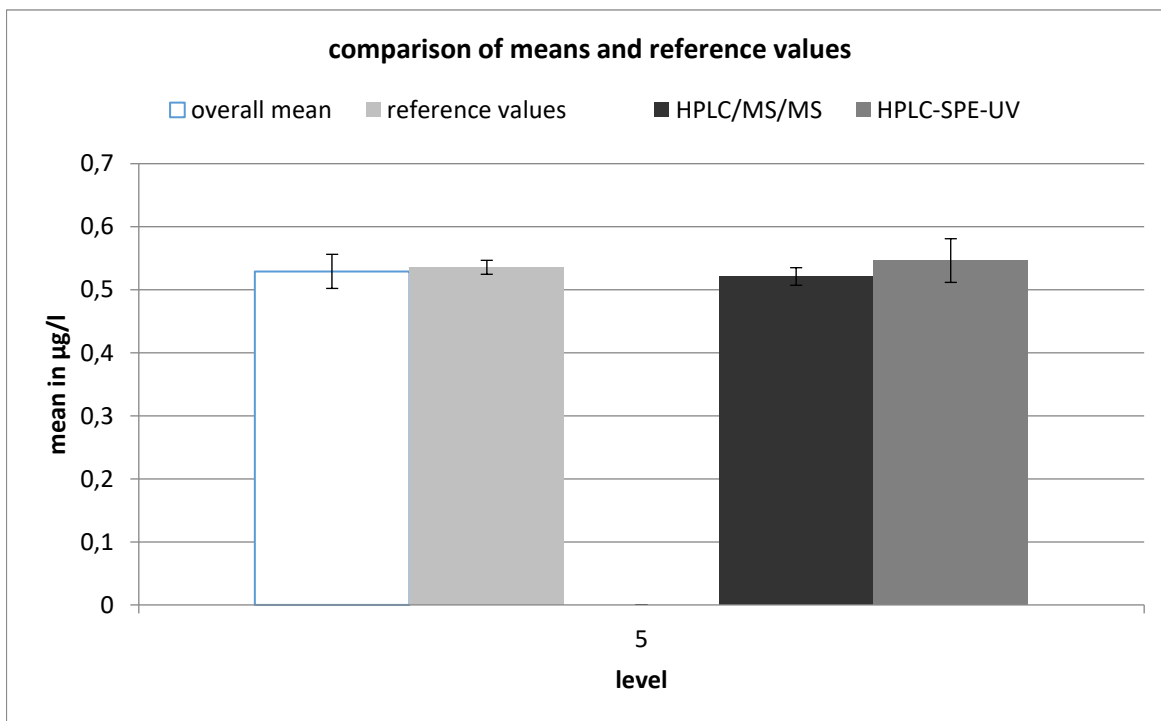
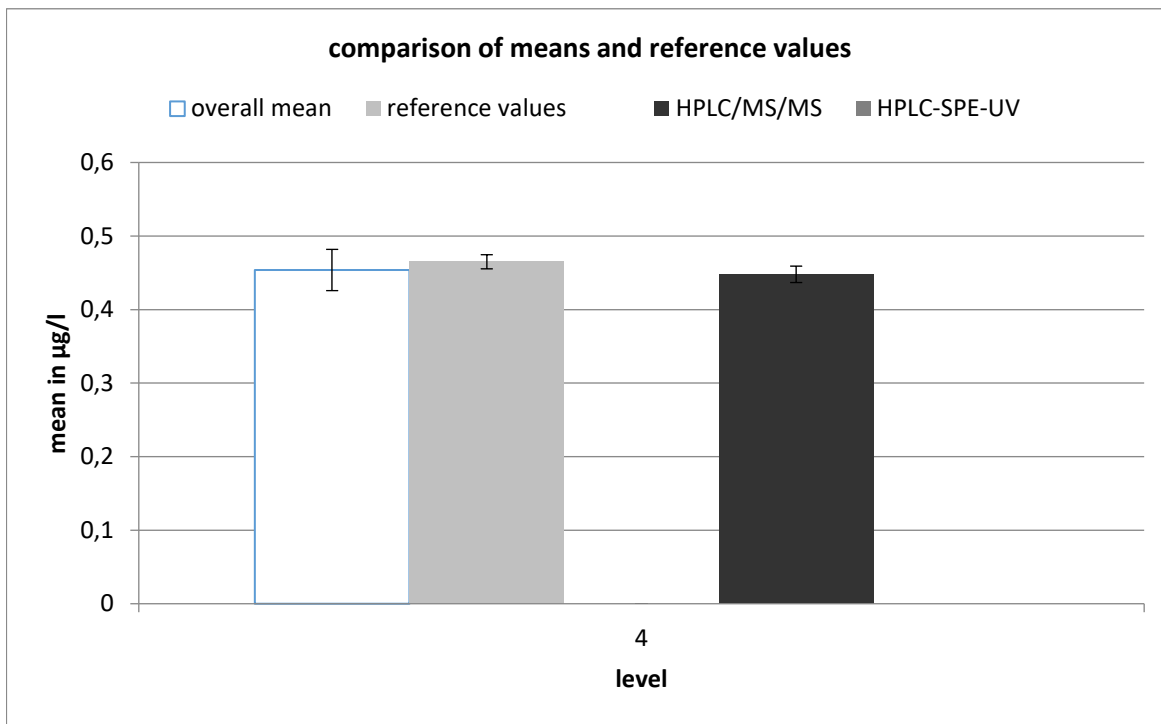
The values determined with HPLC/MS/MS showed the closest statistical distribution.

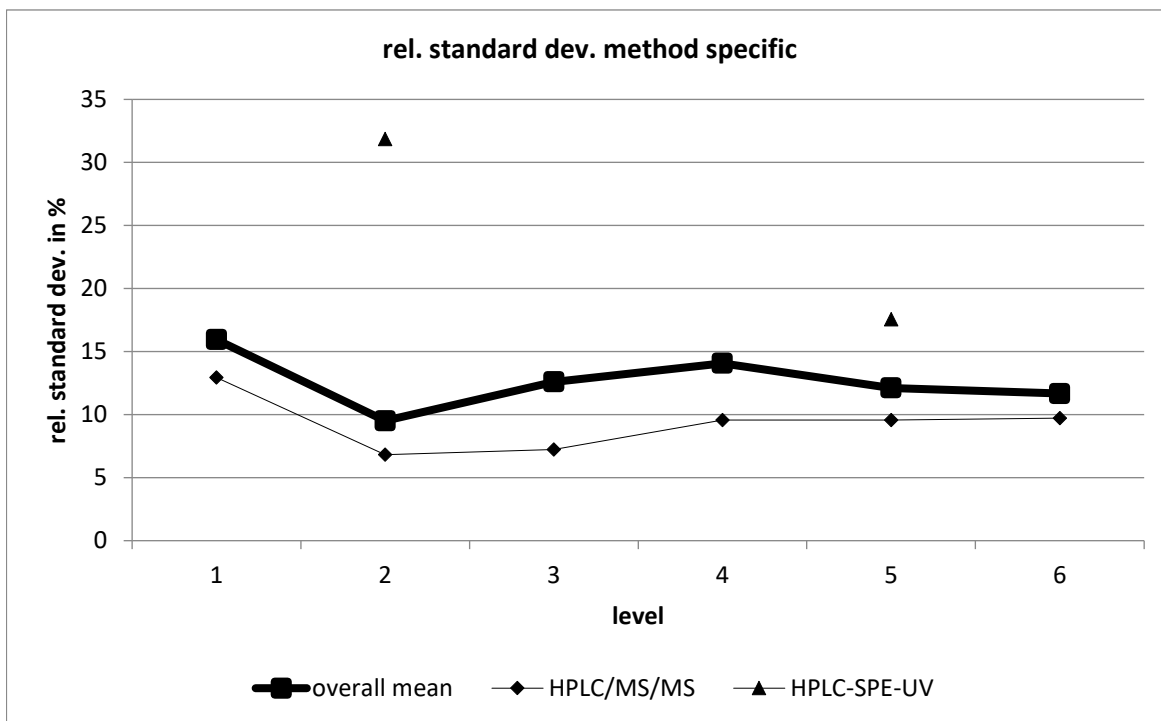
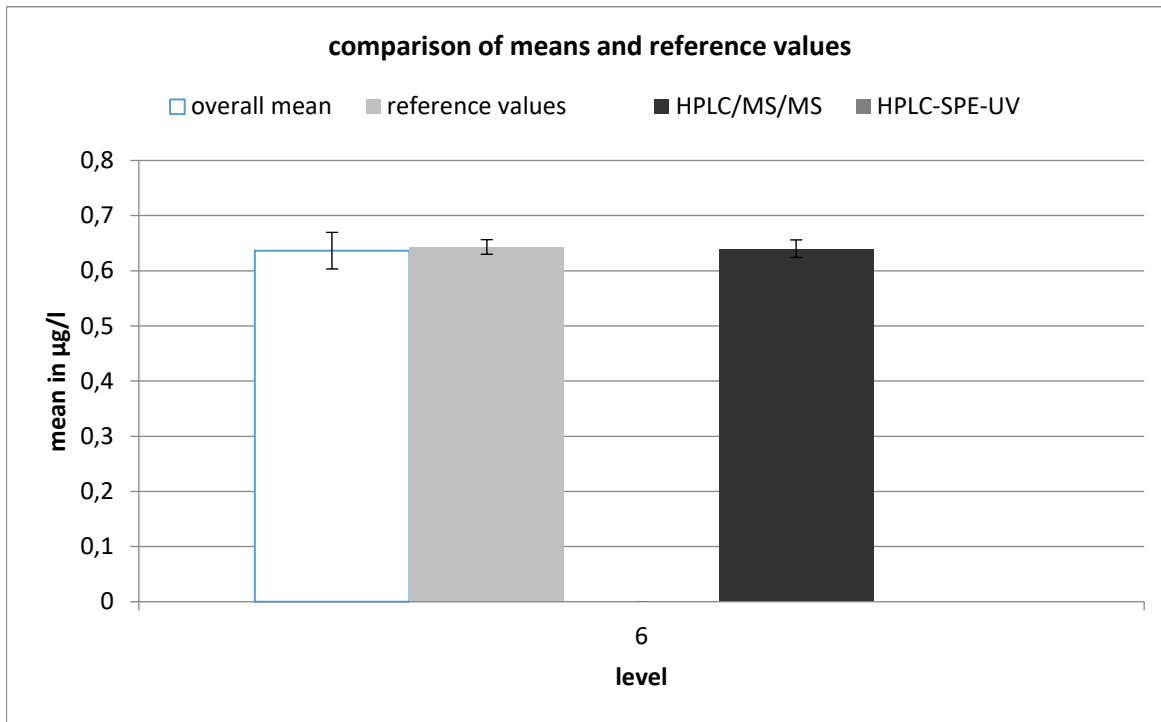
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1074	0,0075	7,0	0,1084	0,0023	2,1
2	0,2140	0,0086	4,0	0,2179	0,0045	2,1
3	0,3844	0,0199	5,2	0,3790	0,0078	2,1
4	0,4538	0,0280	6,2	0,4650	0,0096	2,1
5	0,5291	0,0270	5,1	0,5356	0,0111	2,1
6	0,6365	0,0332	5,2	0,6432	0,0133	2,1









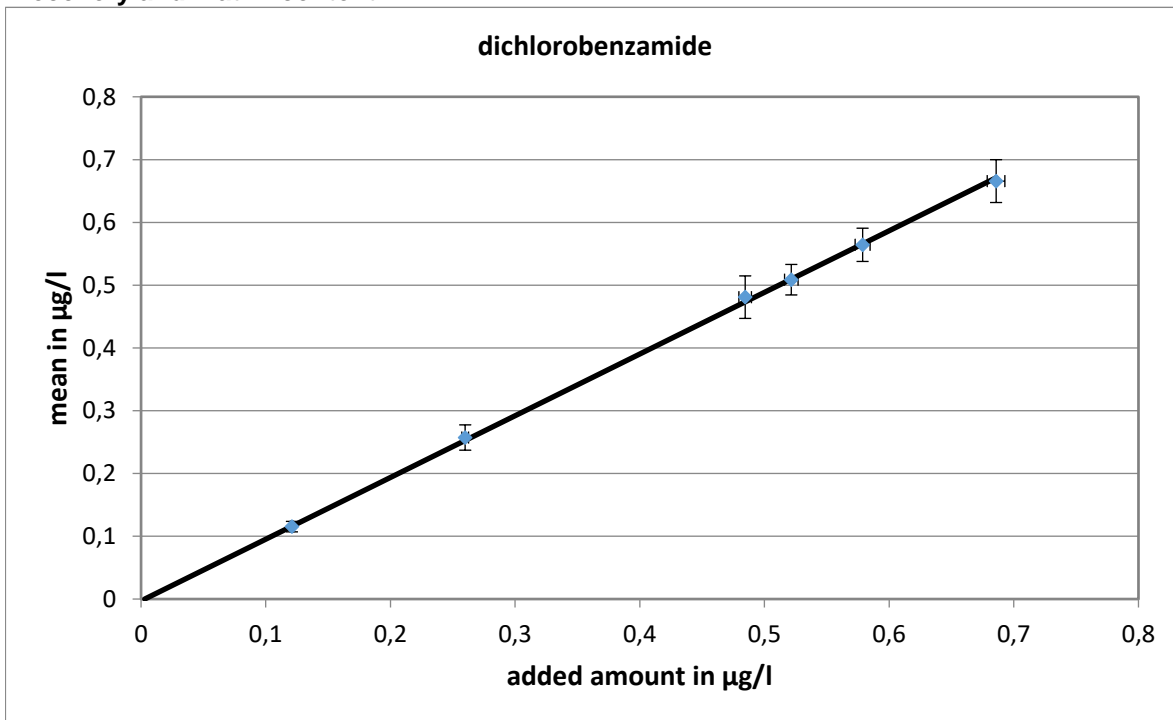
HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,106	0,004	3,373	0,014	12,94	23	0	1	4,35
2	0,211	0,004	1,74	0,014	6,82	24	1	2	12,5
3	0,381	0,007	1,743	0,028	7,245	27	2	2	14,8
4	0,448	0,011	2,494	0,043	9,567	23	0	1	4,35
5	0,521	0,014	2,676	0,05	9,575	20	1	0	5
6	0,64	0,016	2,481	0,062	9,725	24	1	1	8,33

HPLC-SPE-UV									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
2	0,23	0,029	12,6	0,073	31,87	10	0	1	10
5	0,546	0,035	6,34	0,096	17,57	12	0	0	0

dichlorobenzamide

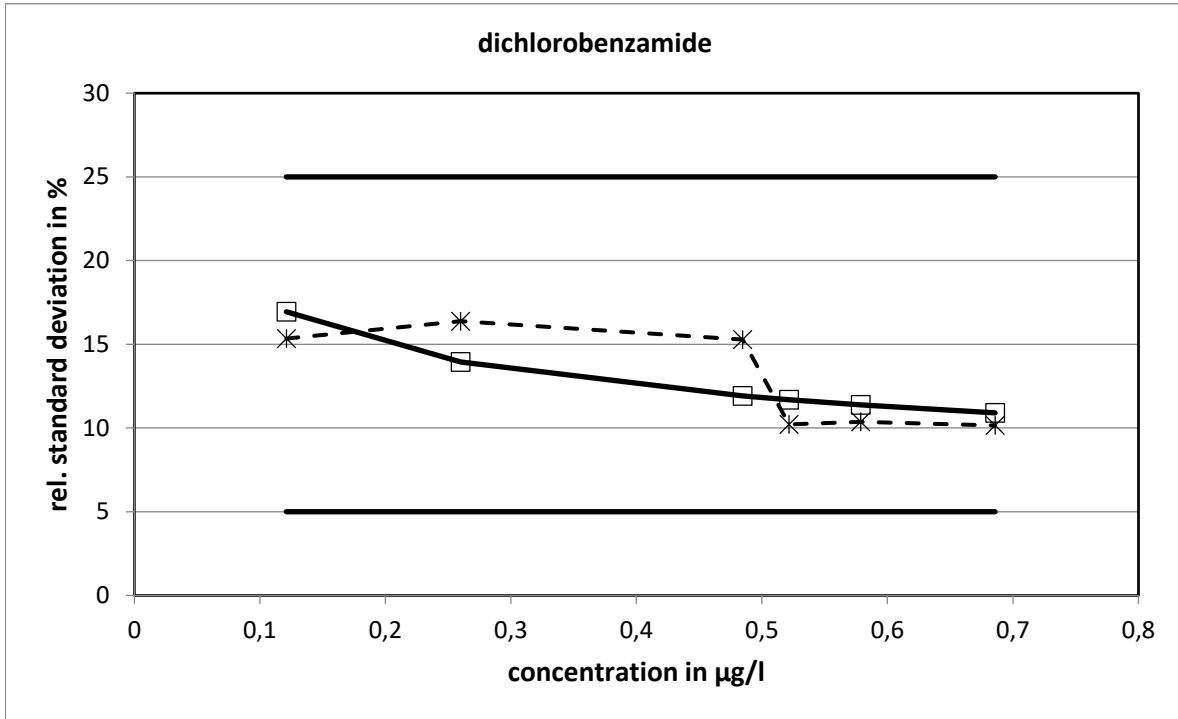
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1211	2,66	0,0186	0,0205	0,0205	16,95	0,1664	0,0830	37,42	-31,41	31	2	3	16,1
2	0,2600	1,54	0,0426	0,0363	0,0363	13,95	0,3385	0,1919	30,19	-26,19	28	0	3	10,7
3	0,4846	1,20	0,0741	0,0577	0,0577	11,91	0,6079	0,3753	25,45	-22,55	30	3	2	16,7
4	0,5215	1,18	0,0533	0,0610	0,0610	11,69	0,6517	0,4060	24,95	-22,15	30	1	1	6,7
5	0,5787	1,15	0,0600	0,0659	0,0659	11,39	0,7191	0,4537	24,26	-21,60	32	2	2	12,5
6	0,6858	1,12	0,0696	0,0748	0,0748	10,91	0,8446	0,5436	23,17	-20,73	26	2	2	15,4
sum											177	10	13	13,0

Recovery and matrix content

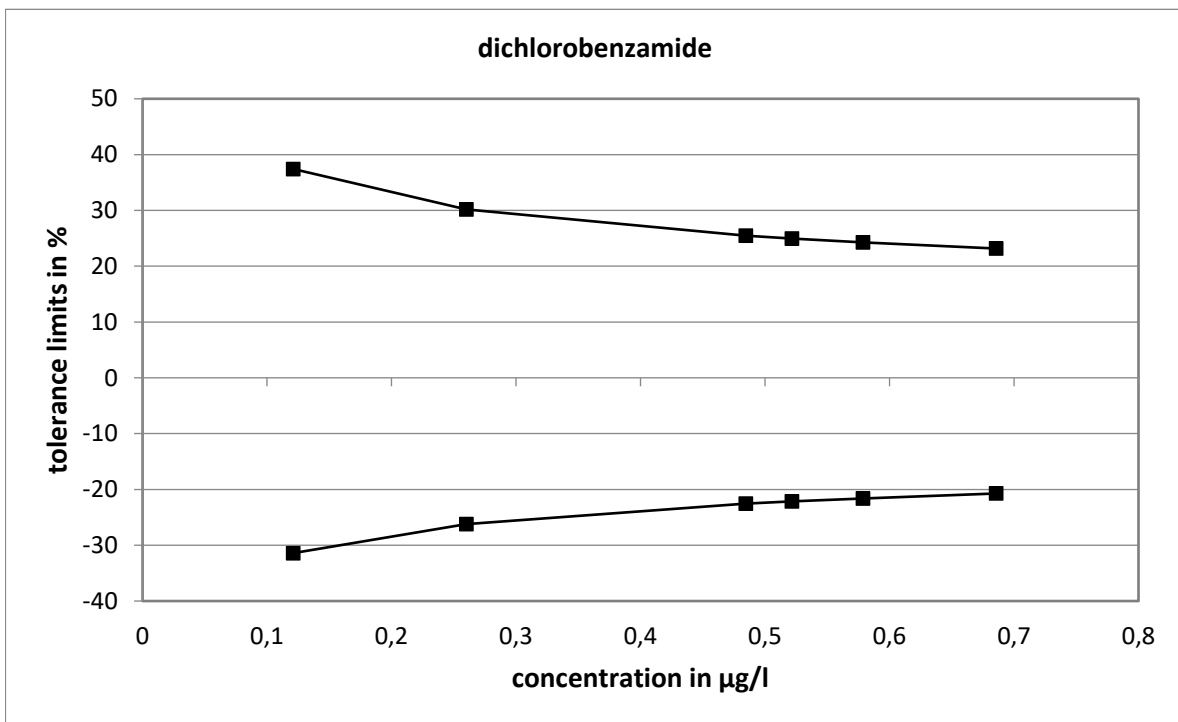


slope of the regression: 0,983; recovery rate: 98,3 %
 neg. x-axis intercept = matrix content: 0 µg/l
 expanded uncertainty of the matrix content: 0,003 µg/l = 0 %

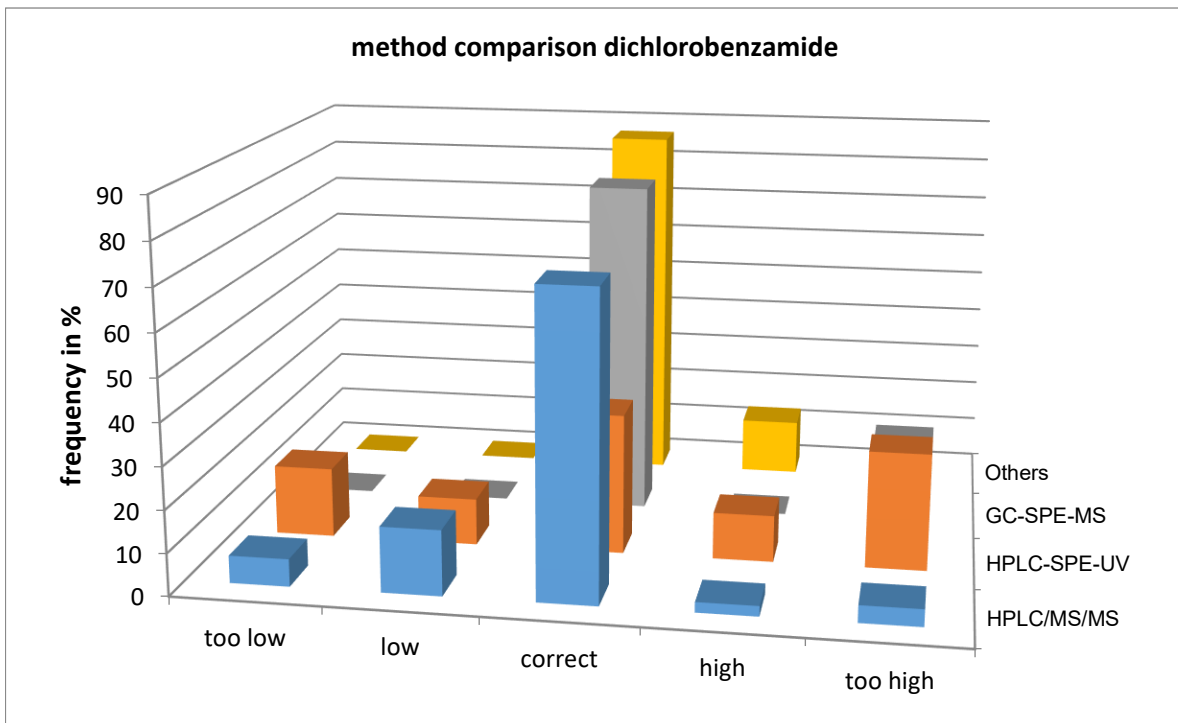
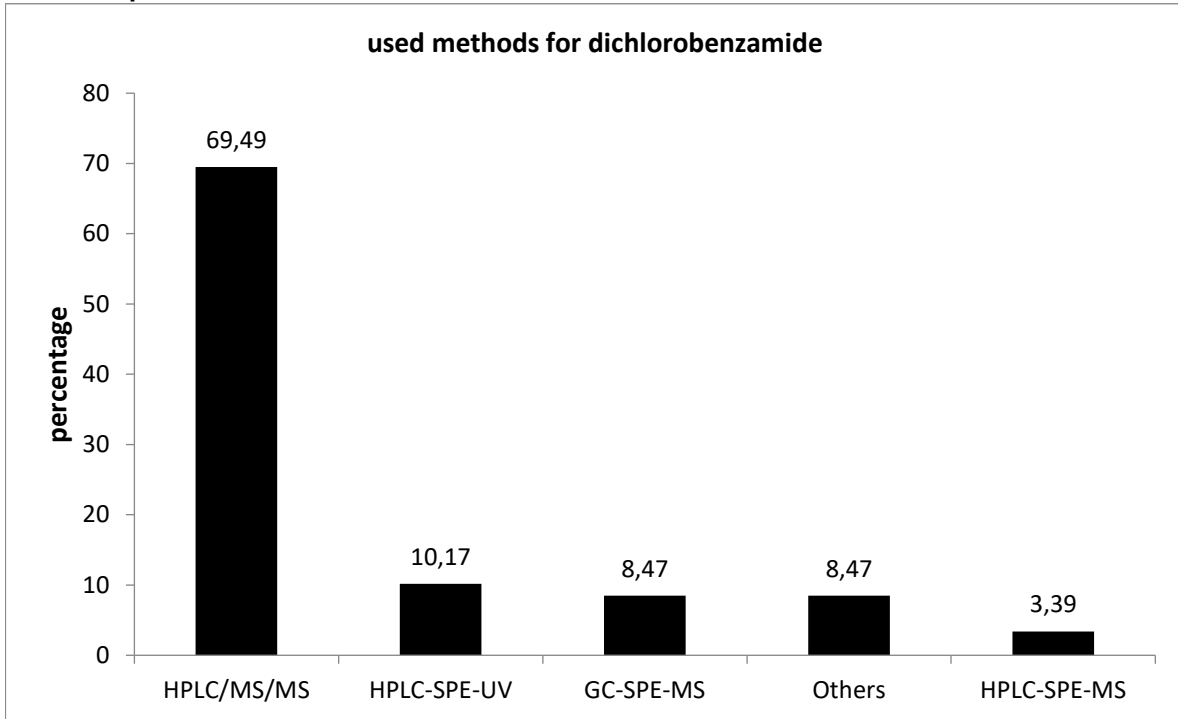
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



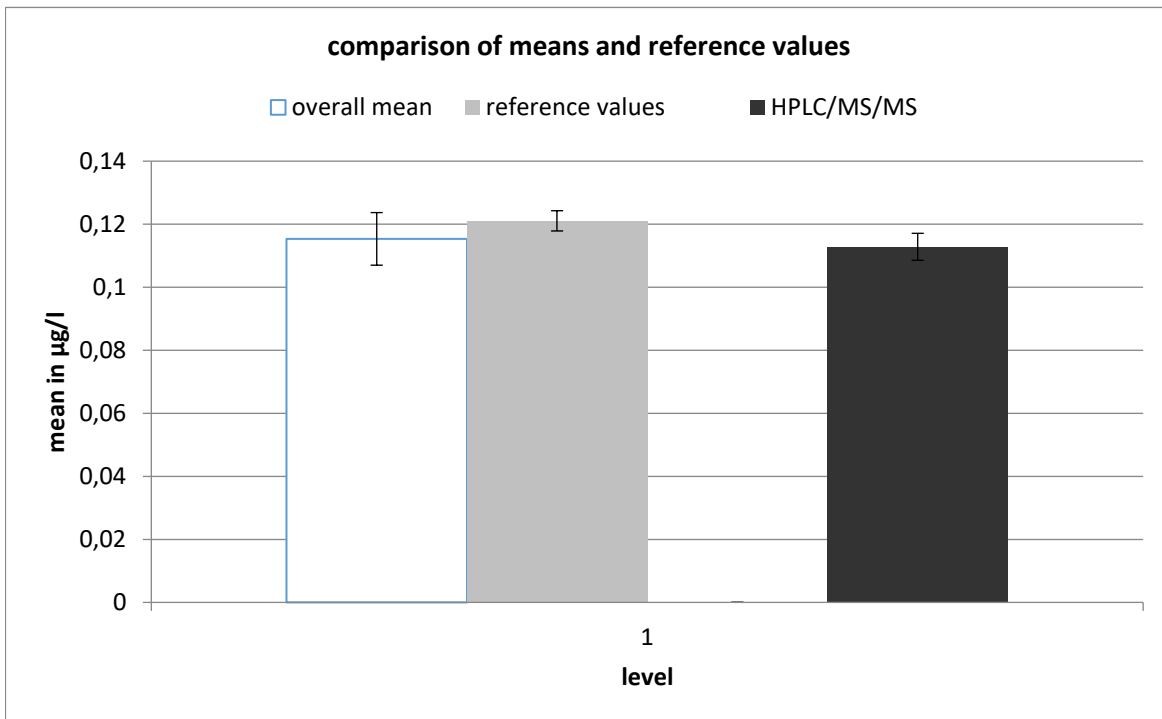
Method specific evaluation

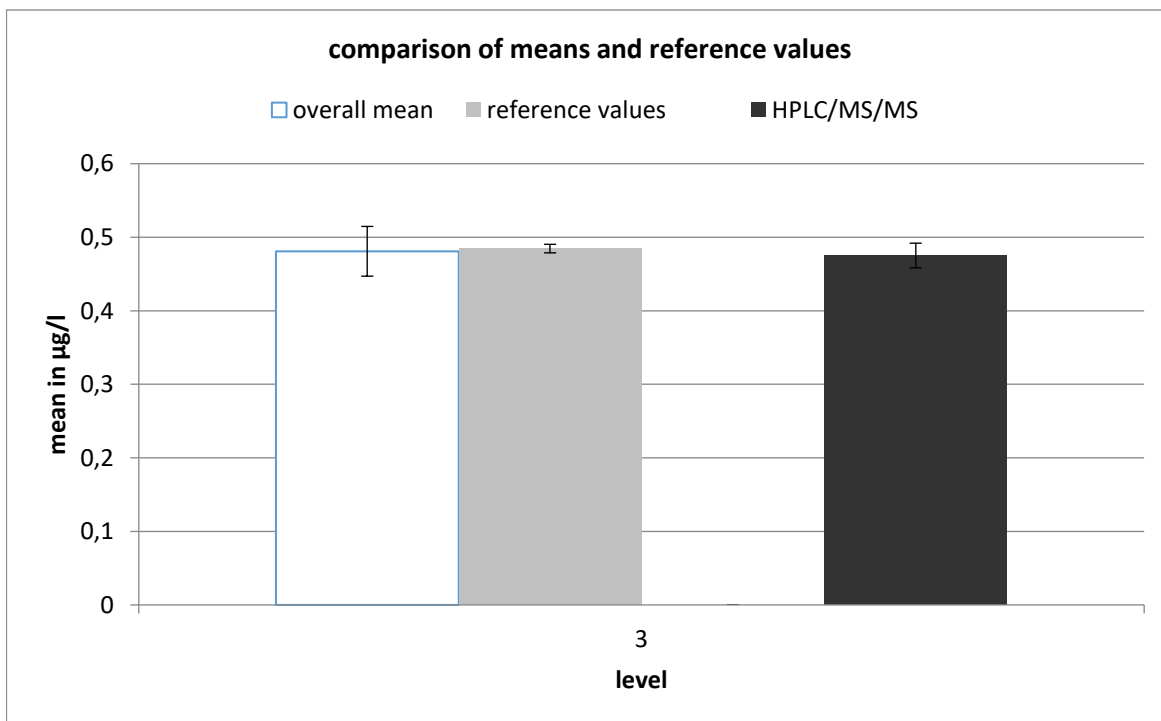
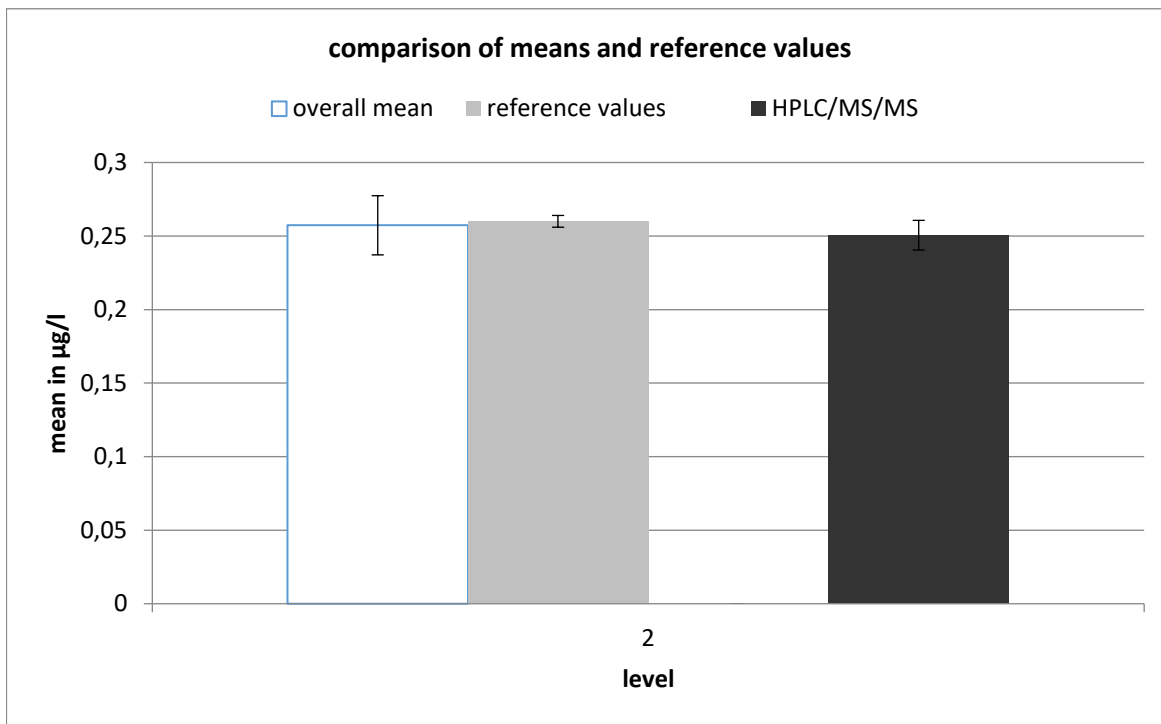


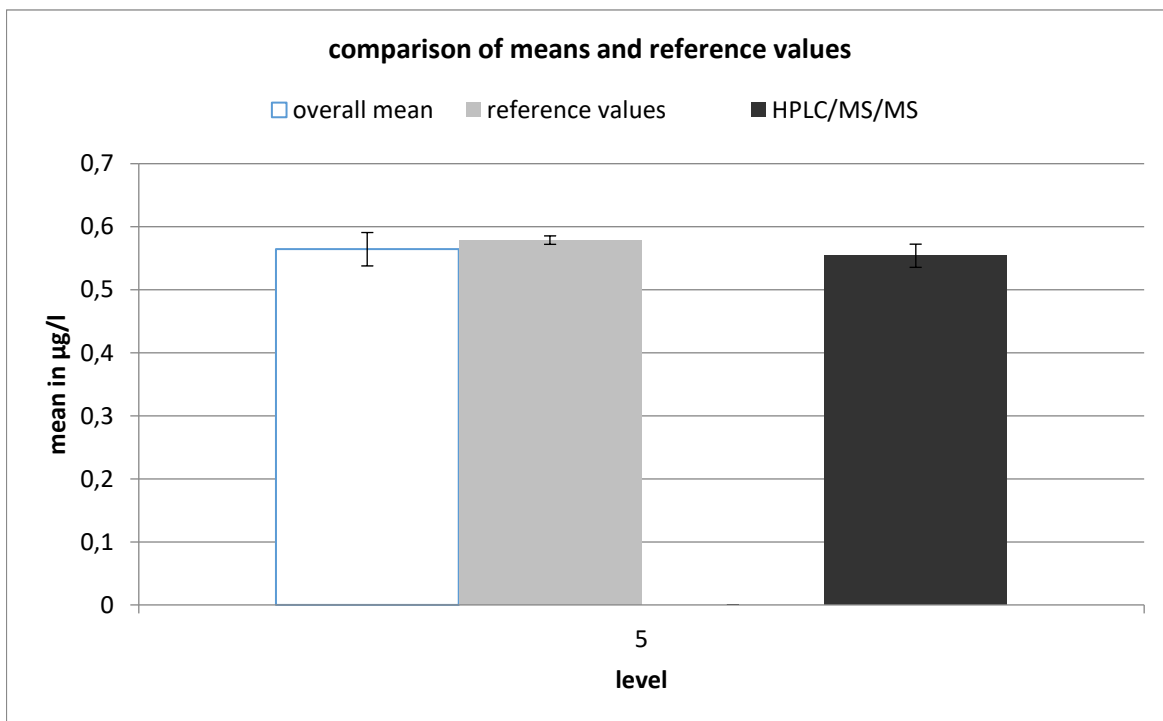
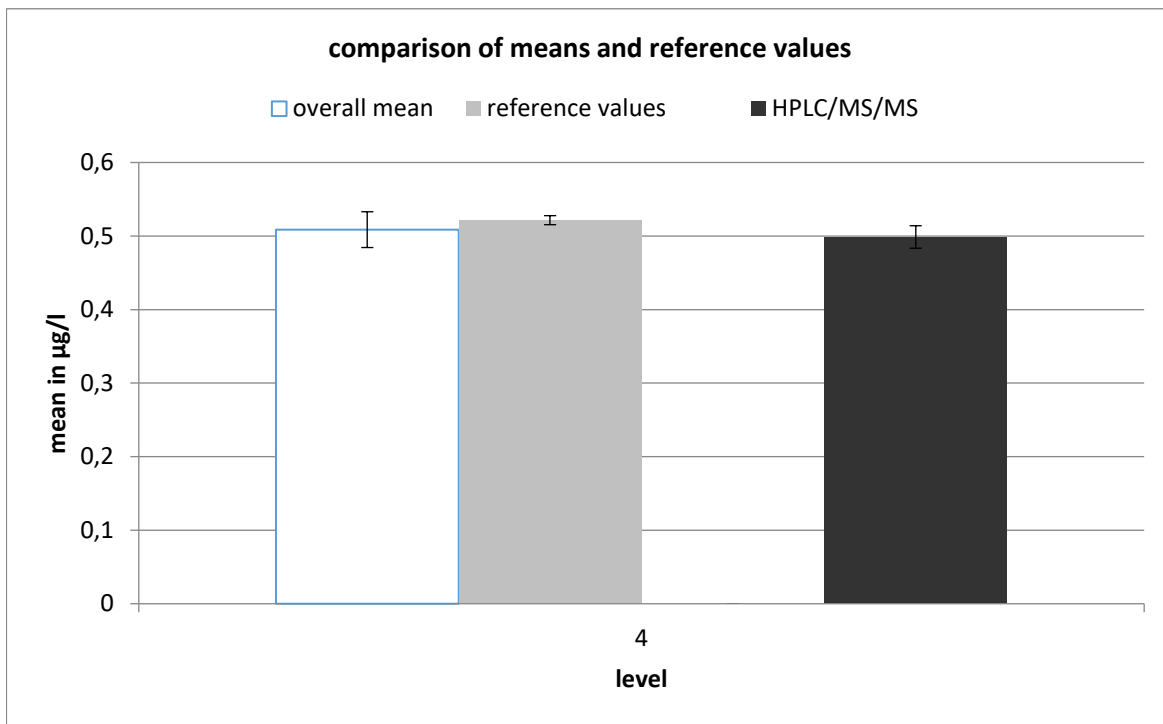
The values determined with HPLC/MS/MS showed the closest statistical distribution.
 The application of HPLC-SPE-UV lead to a higher ratio of too high values.

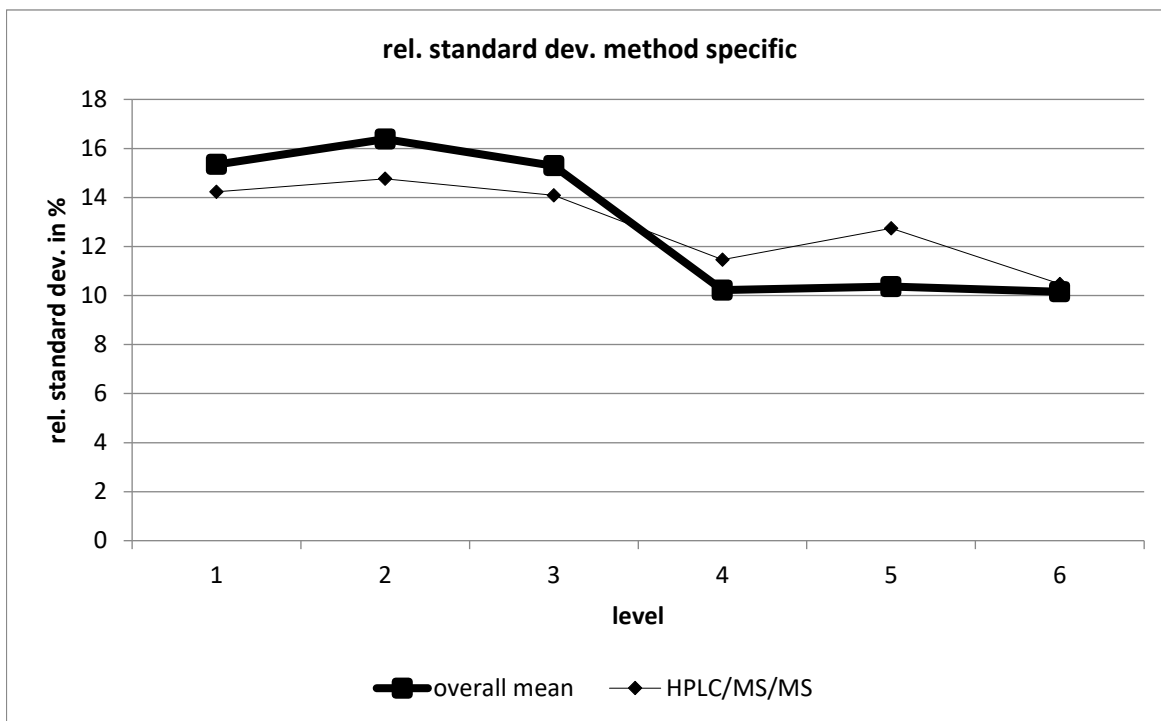
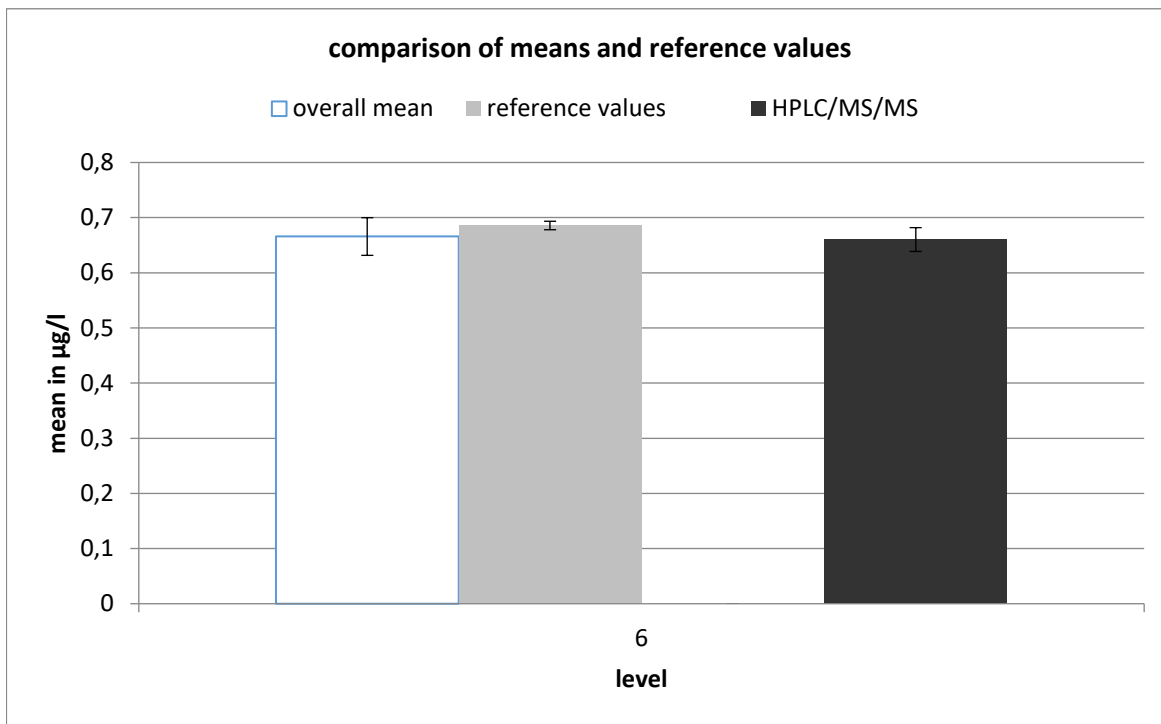
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1153	0,0083	7,2	0,1211	0,0032	2,7
2	0,2573	0,0201	7,8	0,2600	0,0040	1,5
3	0,4809	0,0338	7,0	0,4846	0,0058	1,2
4	0,5087	0,0243	4,8	0,5215	0,0062	1,2
5	0,5642	0,0265	4,7	0,5787	0,0067	1,2
6	0,6658	0,0341	5,1	0,6858	0,0077	1,1







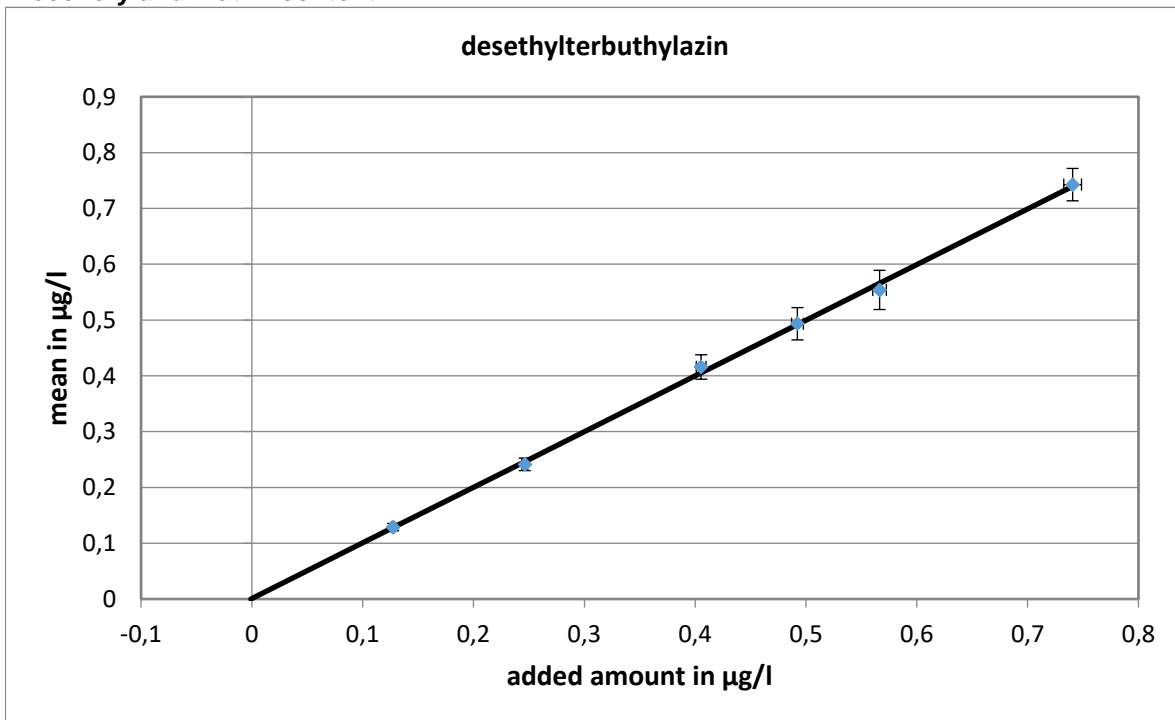


HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,113	0,004	3,793	0,016	14,23	22	1	3	18,2
2	0,251	0,01	4,026	0,037	14,76	21	1	1	9,52
3	0,475	0,017	3,522	0,067	14,09	25	2	0	8
4	0,499	0,015	3,056	0,057	11,47	22	0	0	0
5	0,554	0,018	3,323	0,071	12,75	23	0	1	4,35
6	0,66	0,022	3,273	0,069	10,47	16	2	1	18,8

desethylterbuthylazin

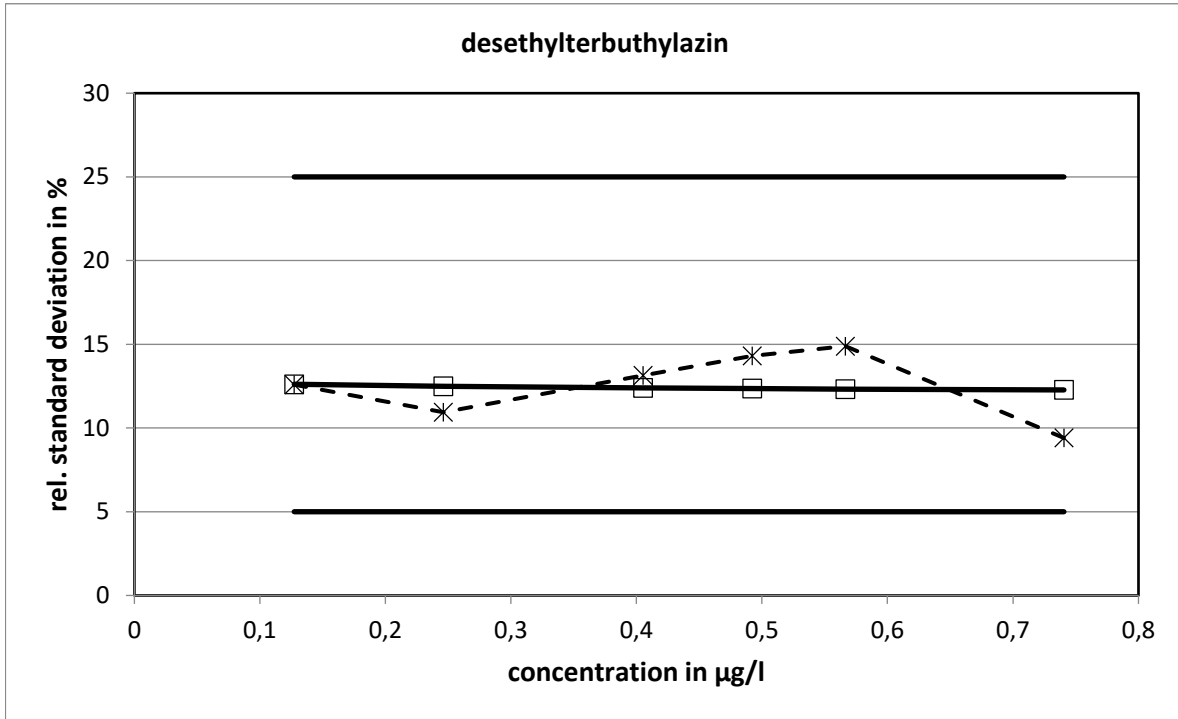
level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1274	1,11	0,0160	0,0161	0,0161	12,62	0,1618	0,0970	27,02	-23,84	37	3	1	10,8
2	0,2463	1,09	0,0269	0,0308	0,0308	12,49	0,3121	0,1881	26,73	-23,61	36	2	2	11,1
3	0,4054	1,08	0,0533	0,0502	0,0502	12,39	0,5128	0,3104	26,51	-23,43	37	1	1	5,4
4	0,4923	1,08	0,0704	0,0608	0,0608	12,35	0,6224	0,3773	26,43	-23,36	37	2	2	10,8
5	0,5664	1,08	0,0843	0,0698	0,0698	12,33	0,7157	0,4343	26,37	-23,31	36	3	0	8,3
6	0,7406	1,08	0,0697	0,0909	0,0909	12,28	0,9350	0,5686	26,25	-23,22	36	2	0	5,6
sum											219	13	6	8,7

Recovery and matrix content

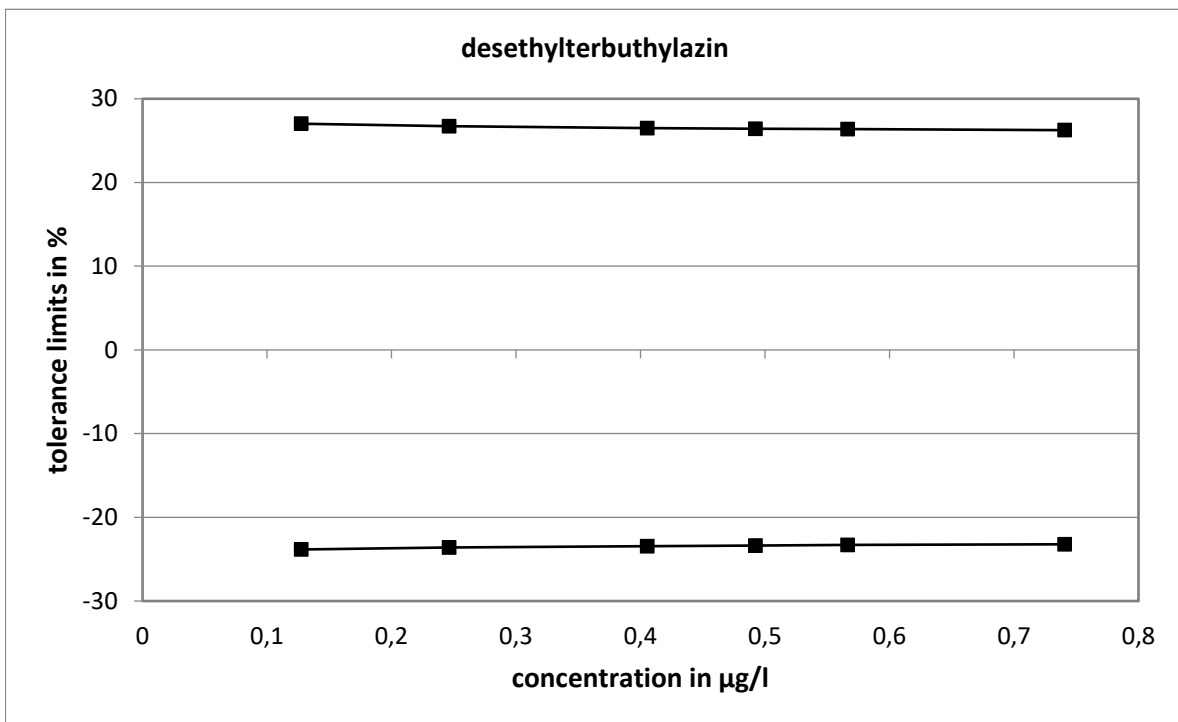


slope of the regression: 0,997; recovery rate: 99,7 %
 neg. x-axis intercept = matrix content: 0,0009 µg/l
 expanded uncertainty of the matrix content: 0,0009 µg/l = 100 %

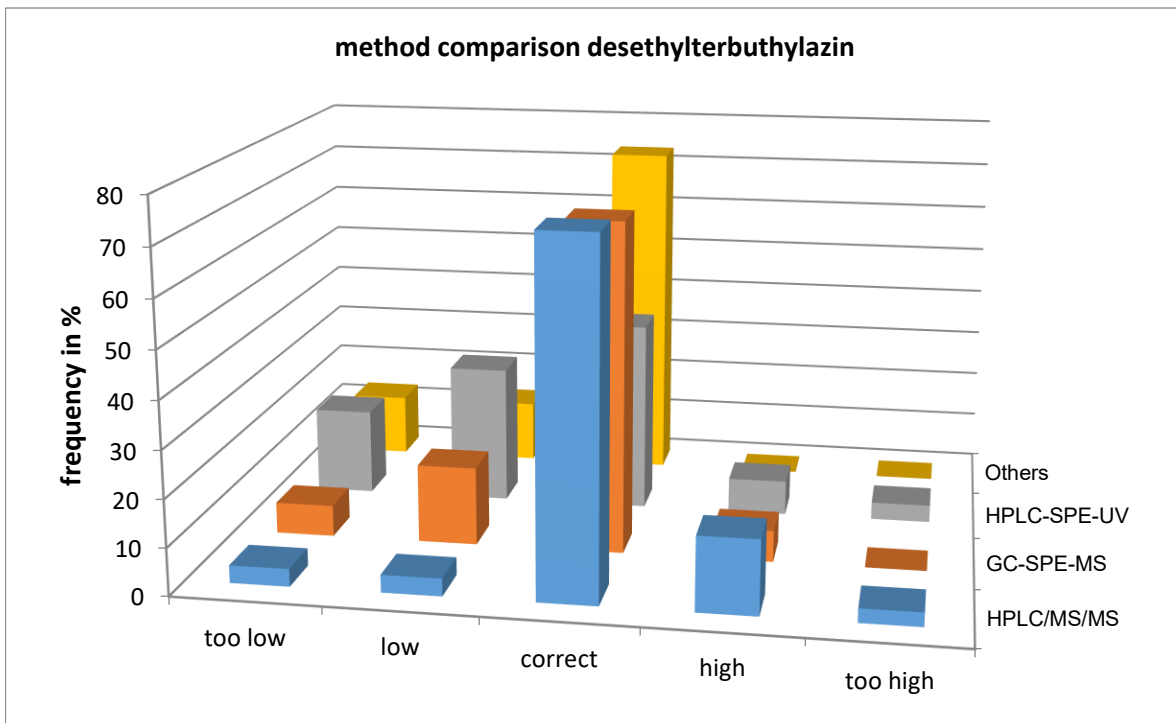
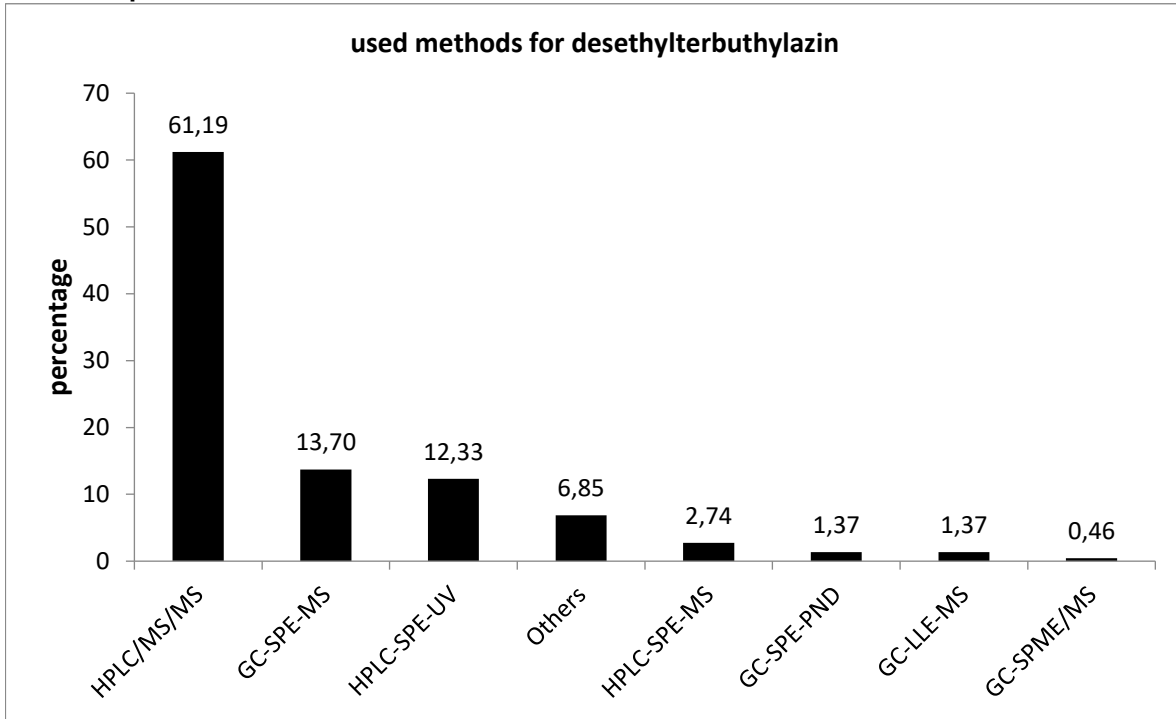
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



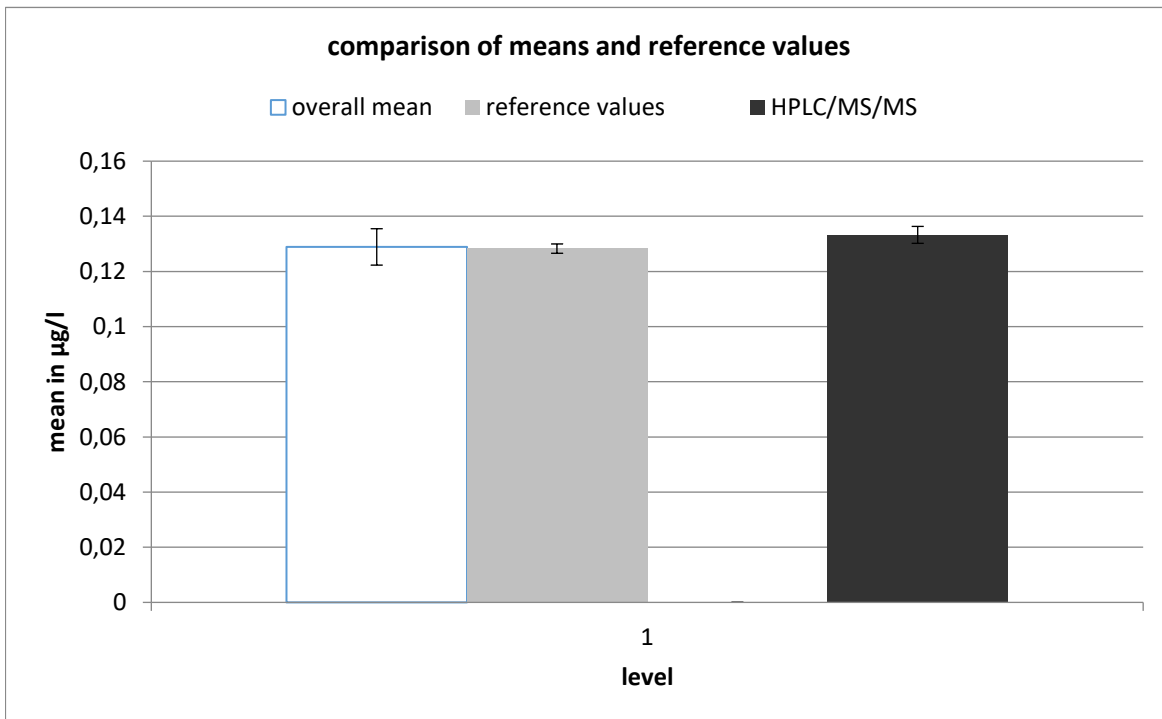
Method specific evaluation

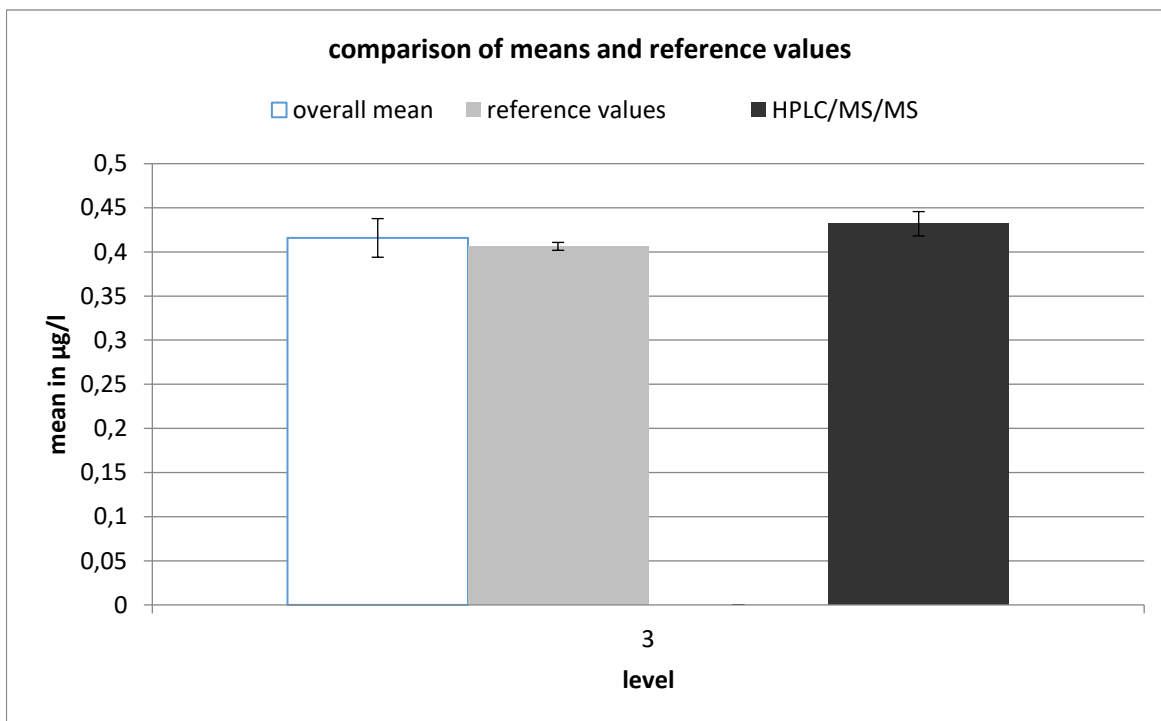
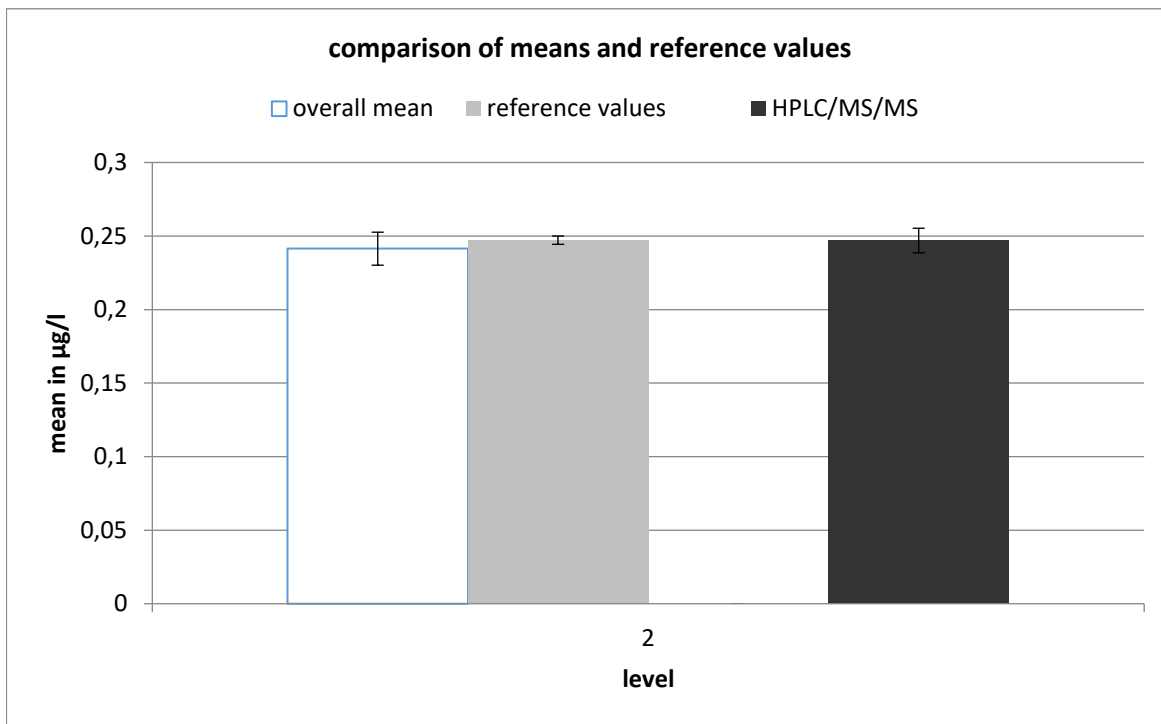


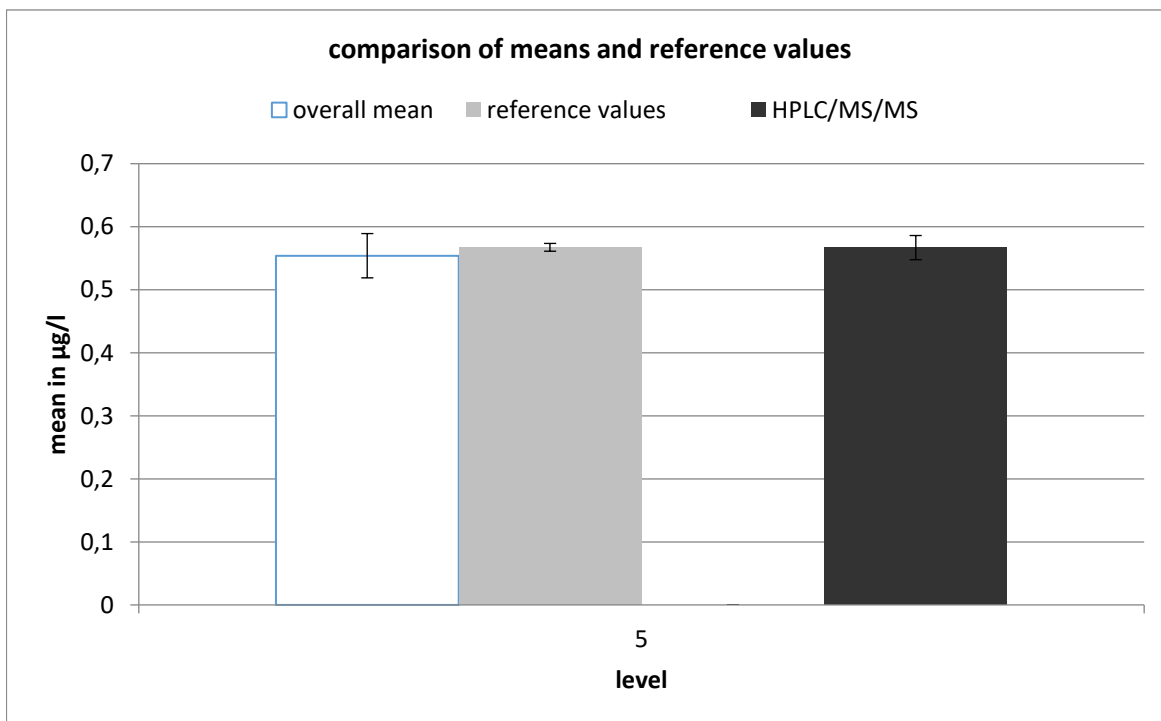
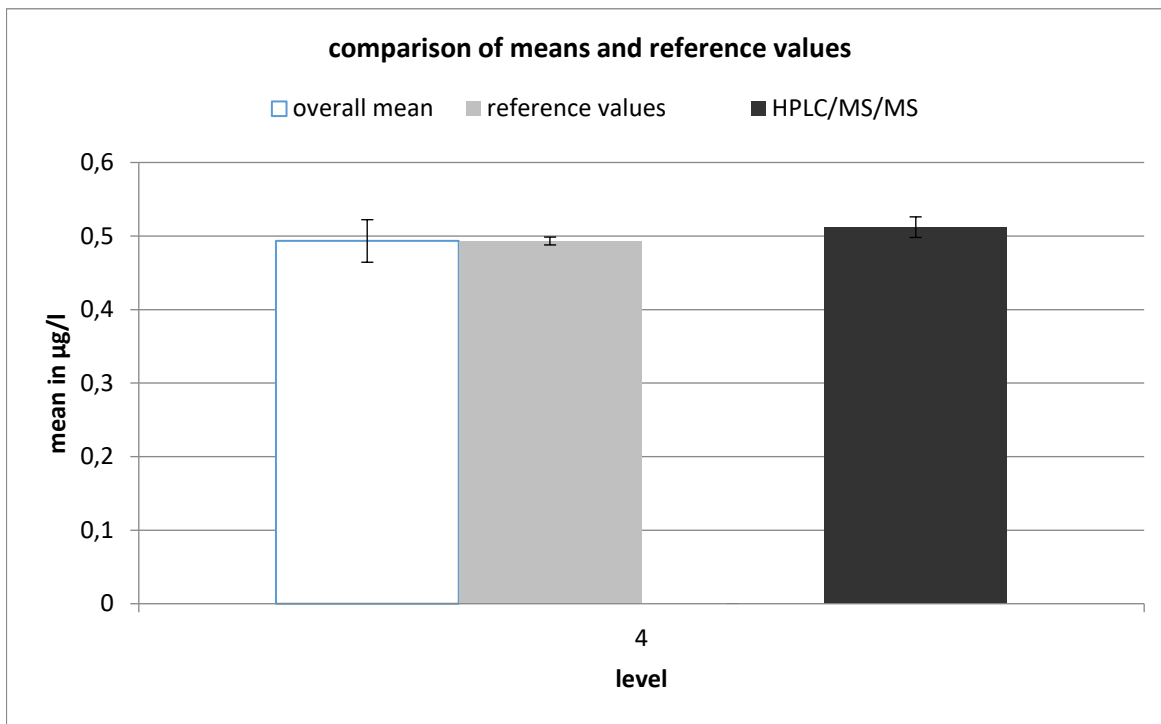
The values determined with HPLC/MS/MS showed the closest statistical distribution.

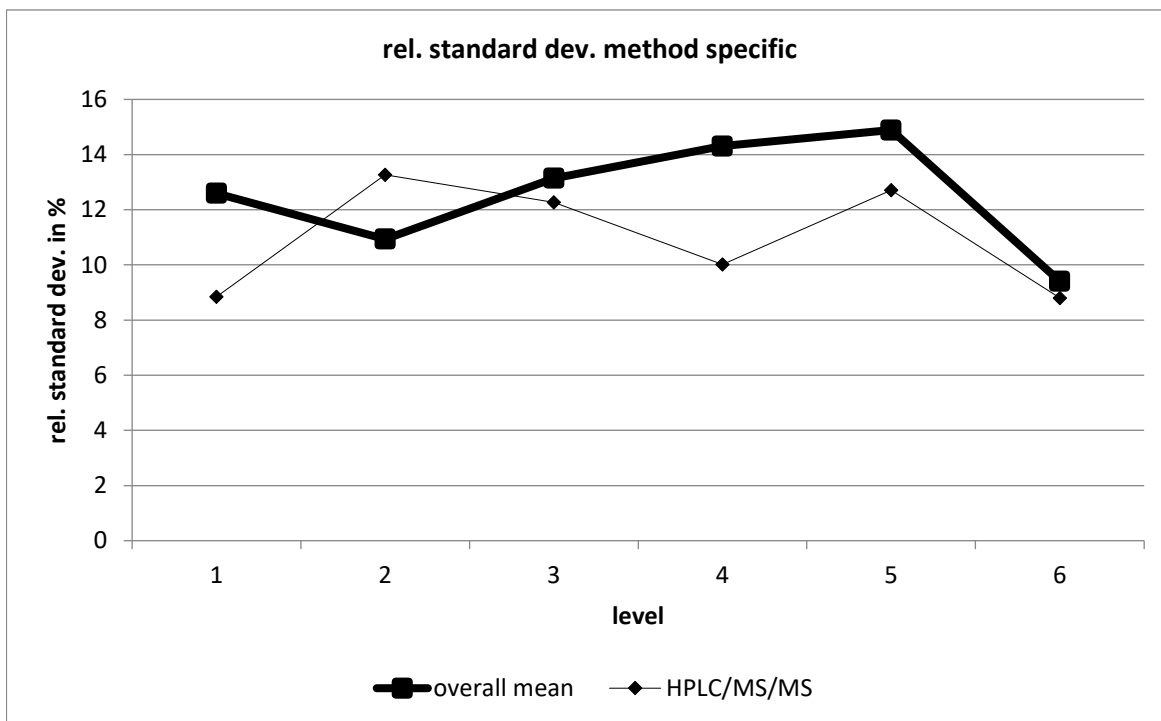
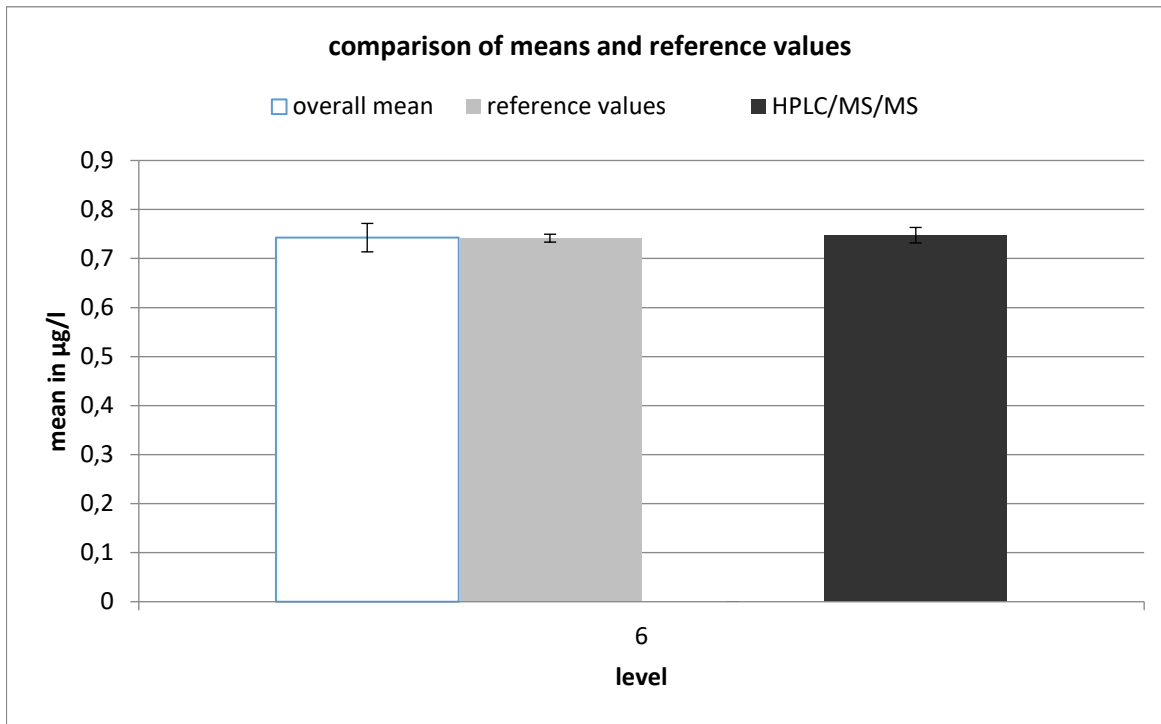
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1289	0,0066	5,1	0,1283	0,0017	1,3
2	0,2414	0,0112	4,6	0,2472	0,0028	1,1
3	0,4159	0,0219	5,3	0,4063	0,0045	1,1
4	0,4933	0,0289	5,9	0,4932	0,0054	1,1
5	0,5540	0,0351	6,3	0,5673	0,0062	1,1
6	0,7426	0,0290	3,9	0,7415	0,0080	1,1







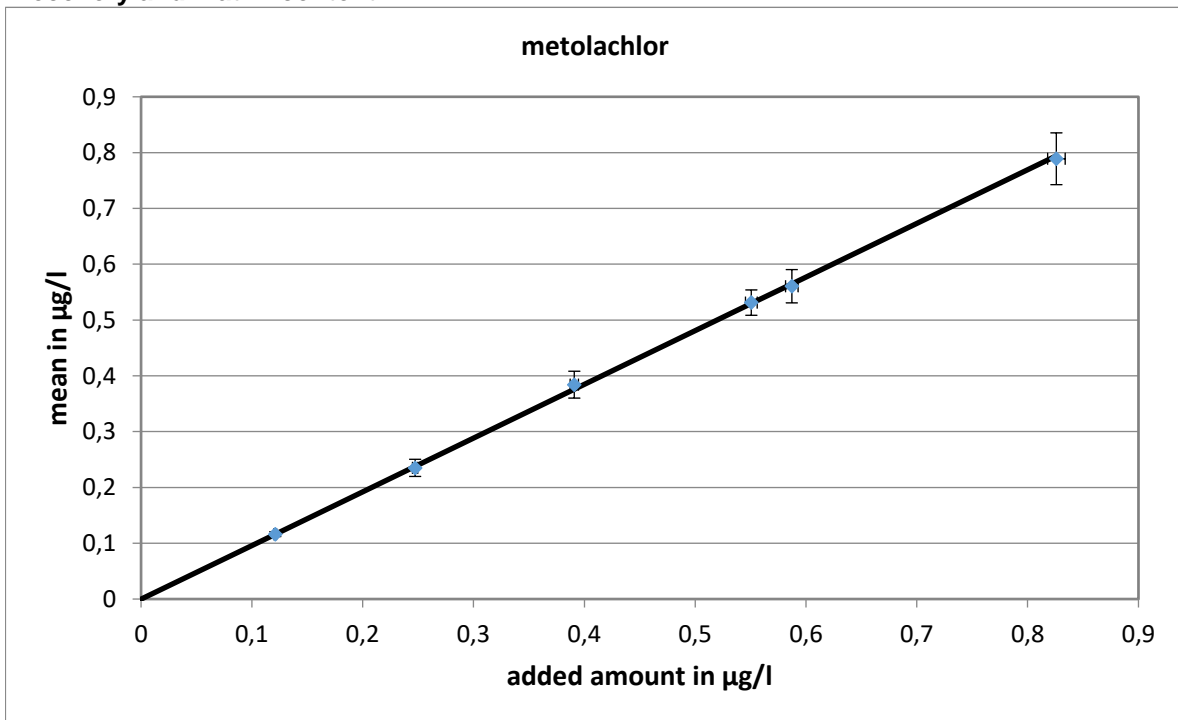


HPLC/MS/MS									
level	robust mean [$\mu\text{g/l}$]	exp. unc. of the mean [$\mu\text{g/l}$]	exp. unc. of the mean [%]	robust standard deviation [$\mu\text{g/l}$]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,133	0,003	2,304	0,012	8,84	23	1	1	8,7
2	0,247	0,008	3,385	0,033	13,27	24	1	3	16,7
3	0,432	0,014	3,198	0,053	12,27	23	1	1	8,7
4	0,512	0,014	2,731	0,051	10,01	21	1	1	9,52
5	0,567	0,019	3,386	0,072	12,7	22	1	0	4,55
6	0,748	0,016	2,117	0,066	8,801	27	1	0	3,7

metolachlor

level	assigned value [µg/l]	expanded uncertainty of the assigned value [%]	standard deviation, calculated using robust statistics [µg/l]	standard deviation from variance function [µg/l]	standard deviation for proficiency assessment [µg/l]	standard deviation for proficiency assessment [%]	upper tolerance limit [µg/l]	lower tolerance limit [µg/l]	upper tolerance limit [%]	lower tolerance limit [%]	number of results	out below	out above	out [%]
1	0,1211	1,00	0,0108	0,0129	0,0129	10,64	0,1484	0,0966	22,59	-20,23	39	1	3	10,3
2	0,2473	0,97	0,0374	0,0288	0,0288	11,66	0,3089	0,1927	24,91	-22,08	37	4	3	18,9
3	0,3909	0,96	0,0593	0,0484	0,0484	12,37	0,4947	0,2997	26,55	-23,34	38	2	3	12,8
4	0,5507	0,96	0,0559	0,0712	0,0712	12,93	0,7039	0,4166	27,83	-24,34	38	0	1	2,6
5	0,5872	0,96	0,0736	0,0765	0,0765	13,03	0,7521	0,4431	28,08	-24,53	38	1	2	7,9
6	0,8259	0,96	0,1129	0,1125	0,1125	13,62	1,069	0,6147	29,45	-25,57	37	3	1	10,8
sum											227	11	13	10,6

Recovery and matrix content

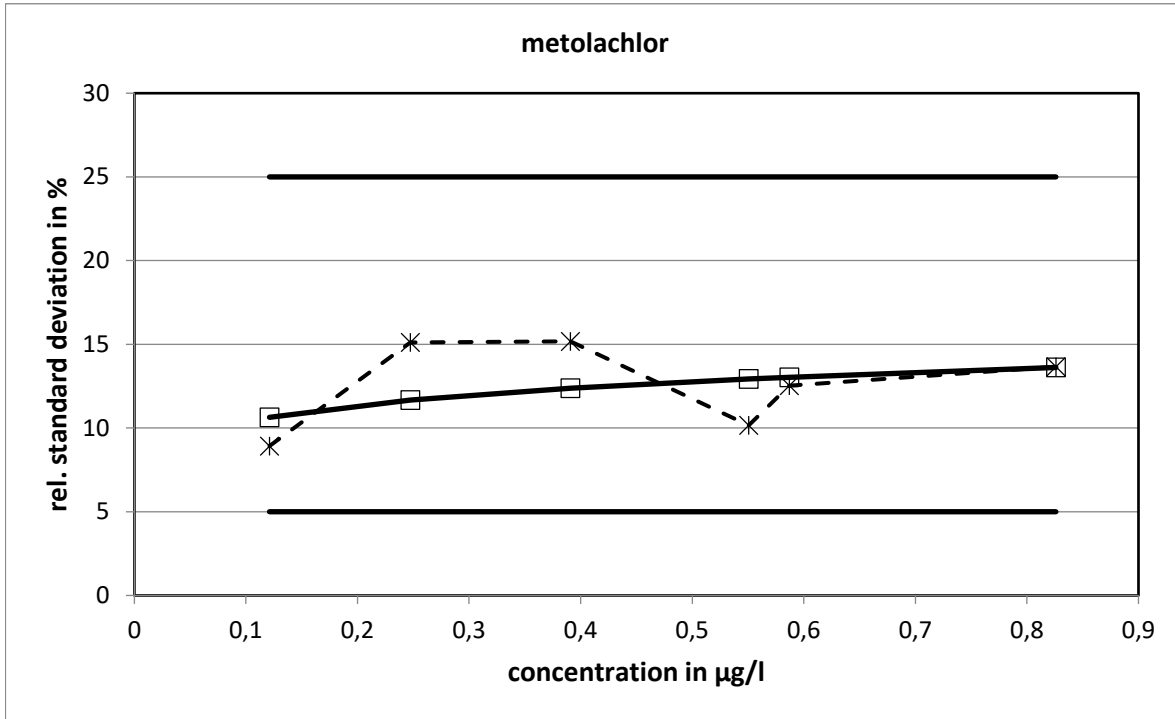


slope of the regression: 0,962; recovery rate: 96,2 %

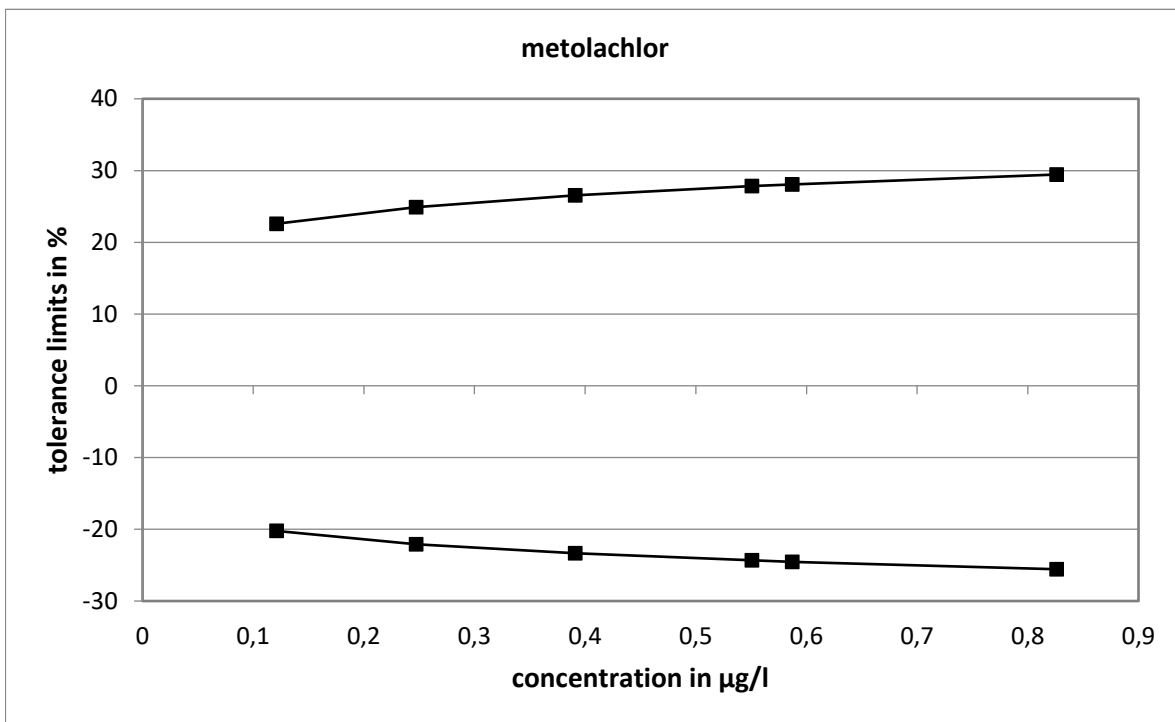
neg. x-axis intercept = matrix content: 0 µg/l

expanded uncertainty of the matrix content: 0,0002 µg/l = 0 %

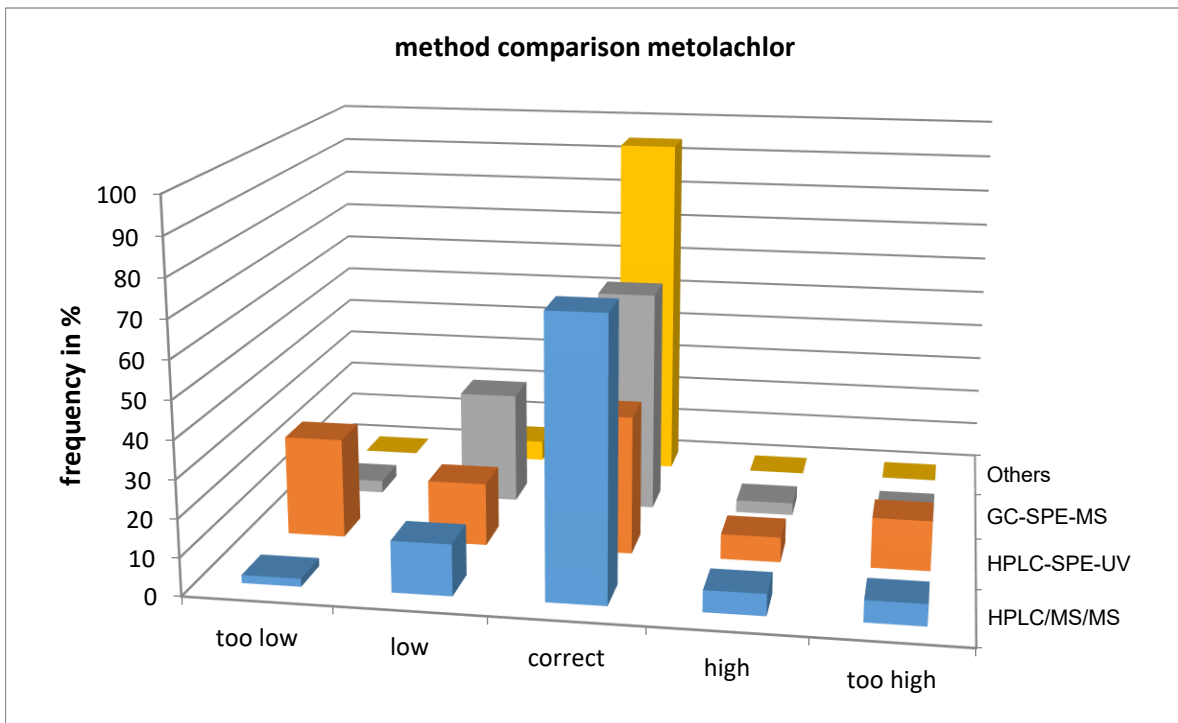
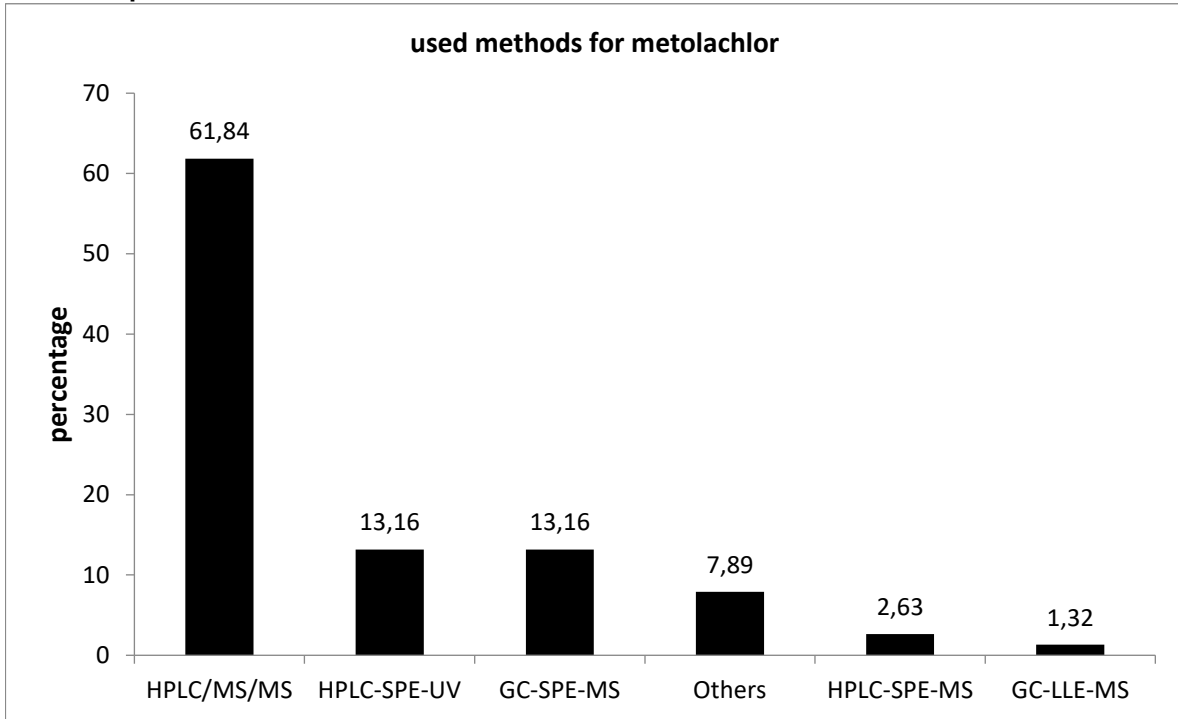
Relative standard deviation and tolerance limits



The relative standard deviations calculated from the variance function did not reach the limits.



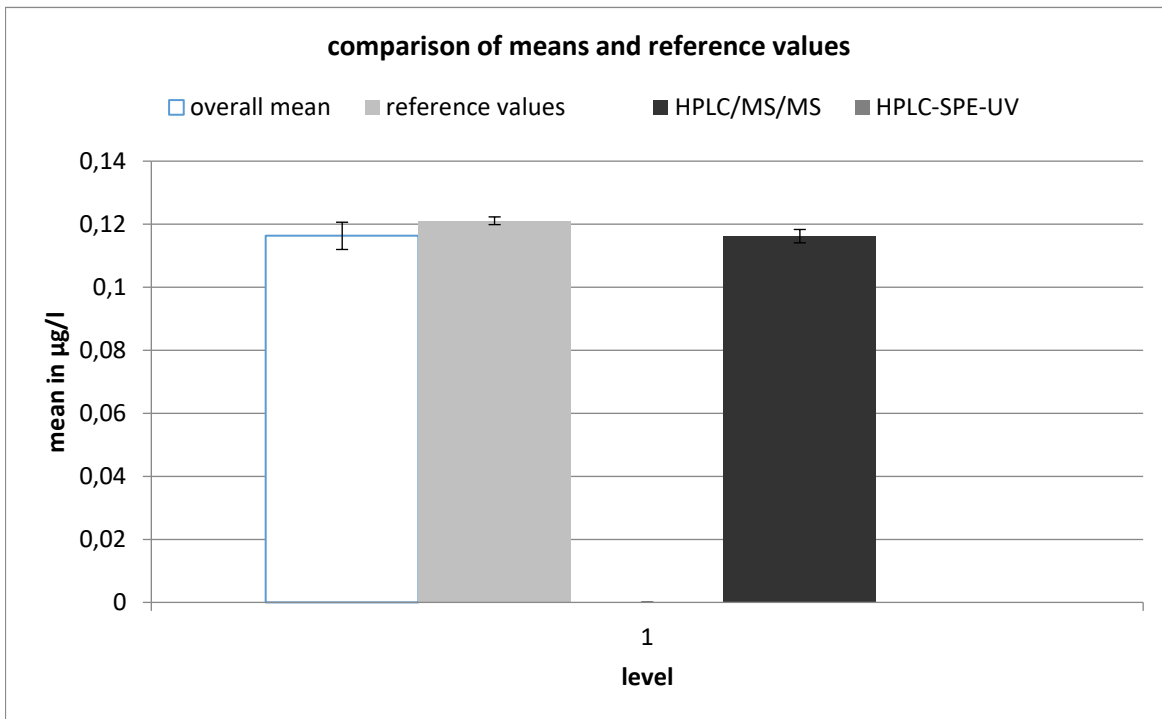
Method specific evaluation

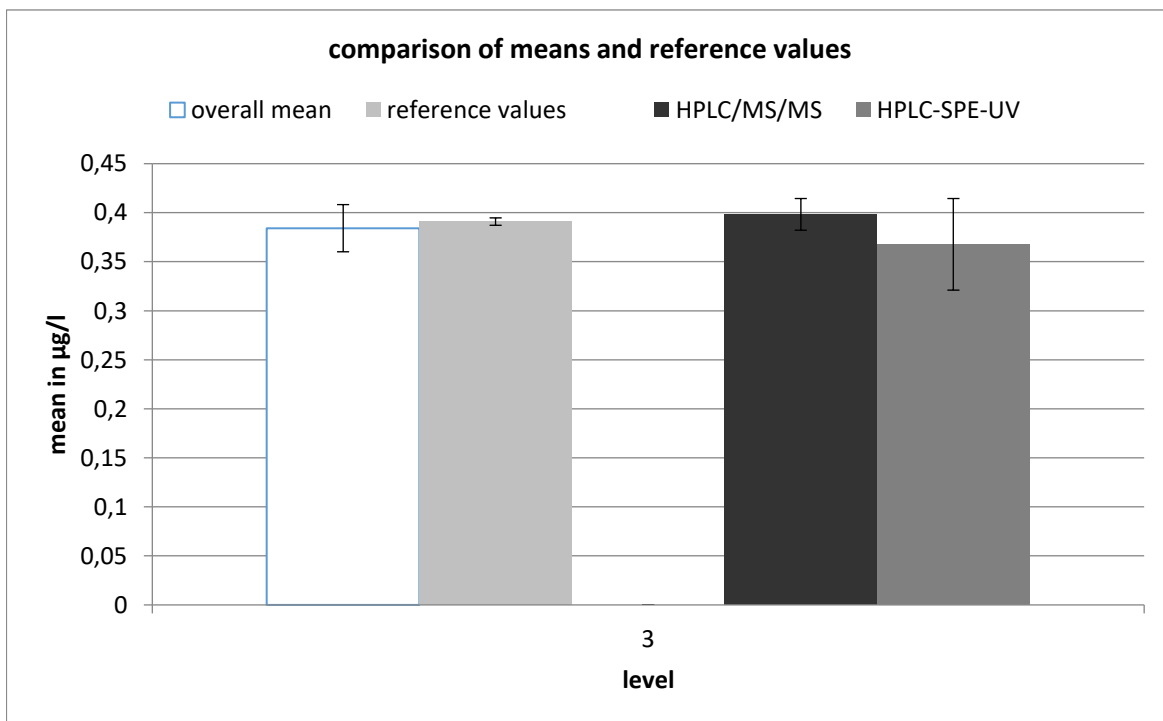
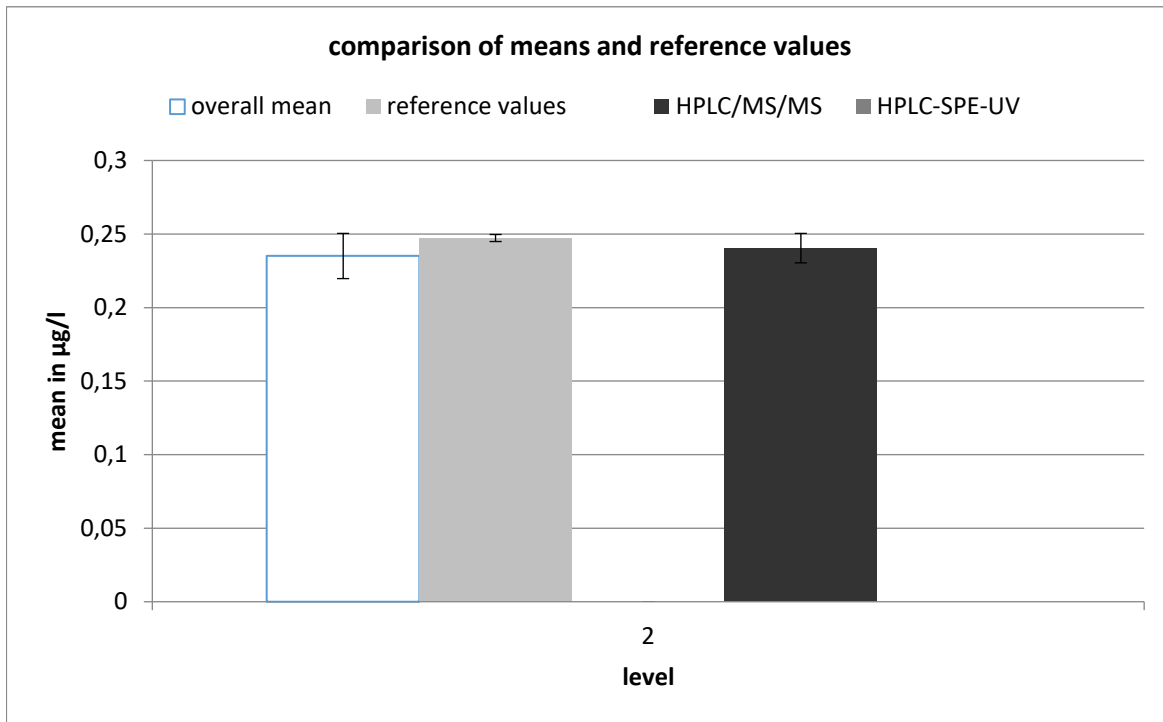


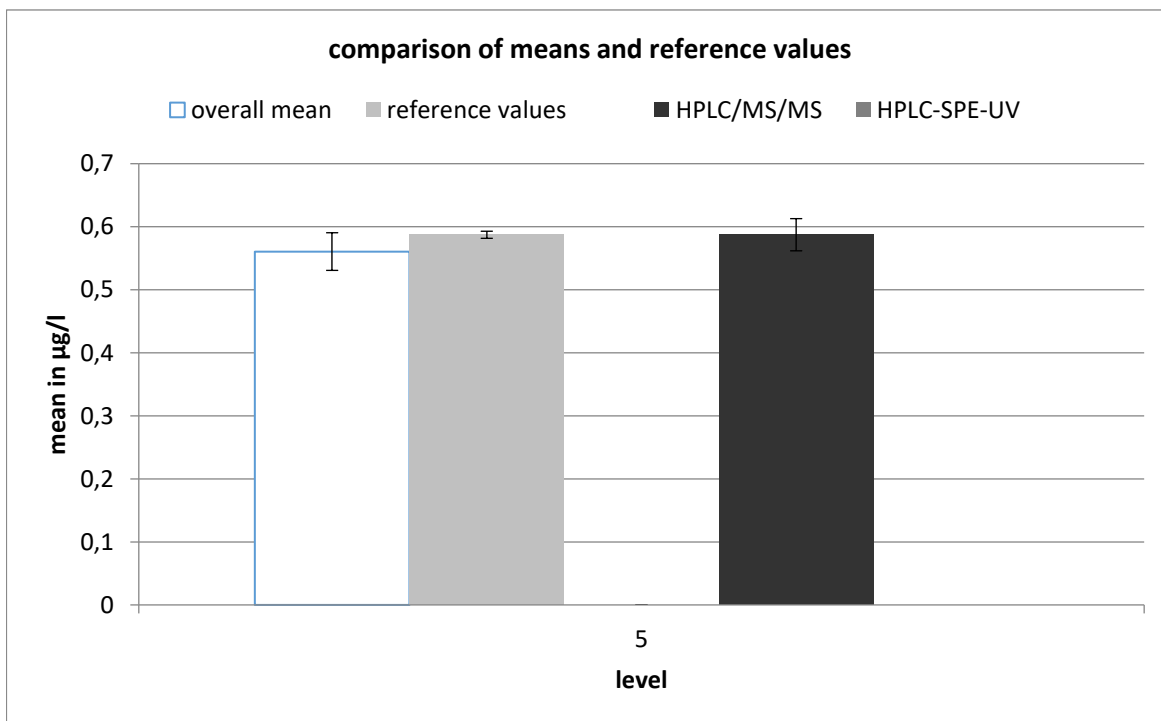
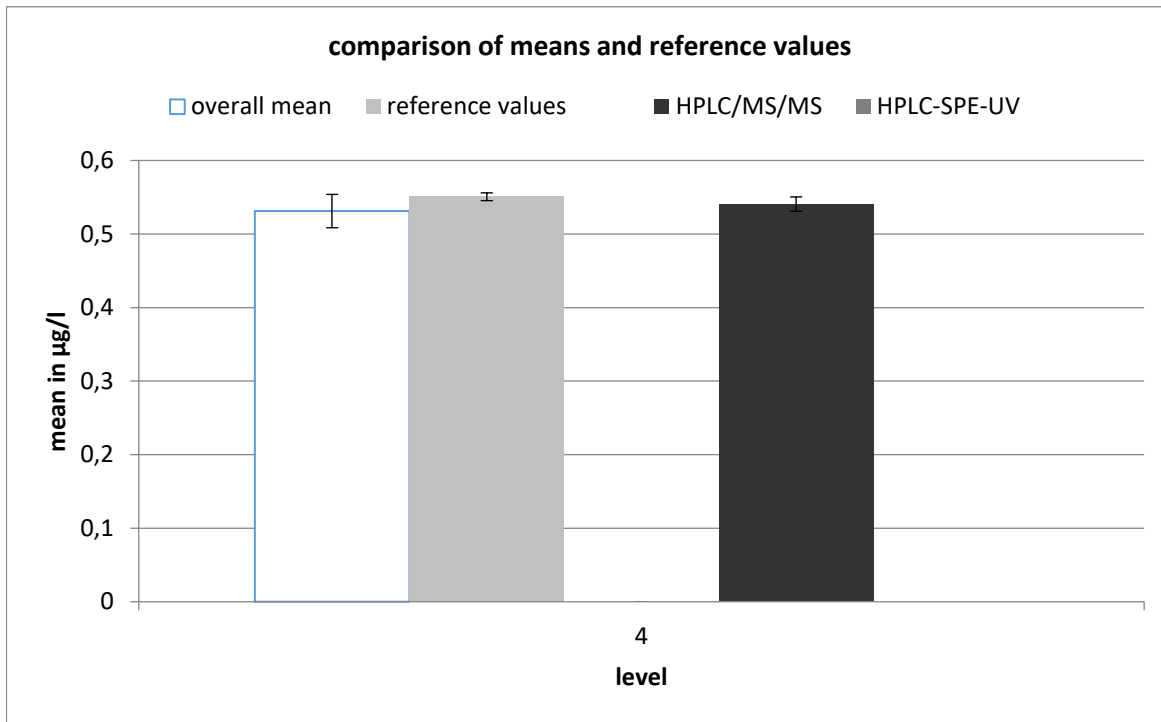
The values determined with HPLC/MS/MS showed the closest statistical distribution.
 The application of HPLC-SPE-UV lead to a higher ratio of too low values.

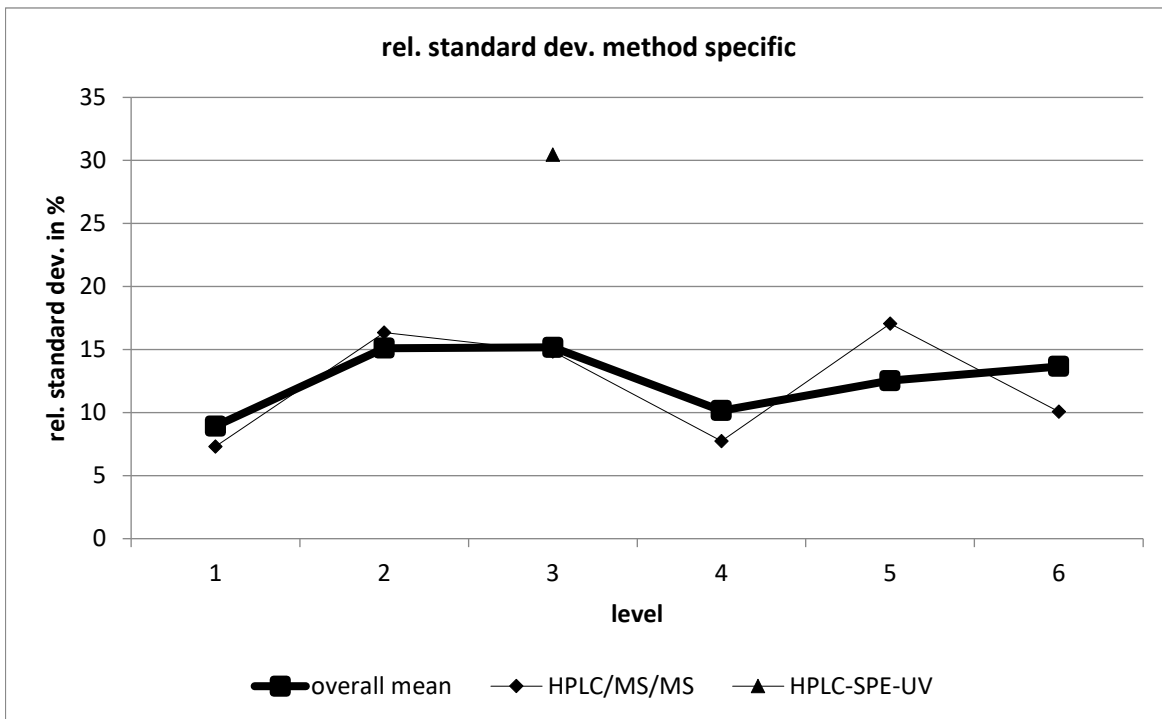
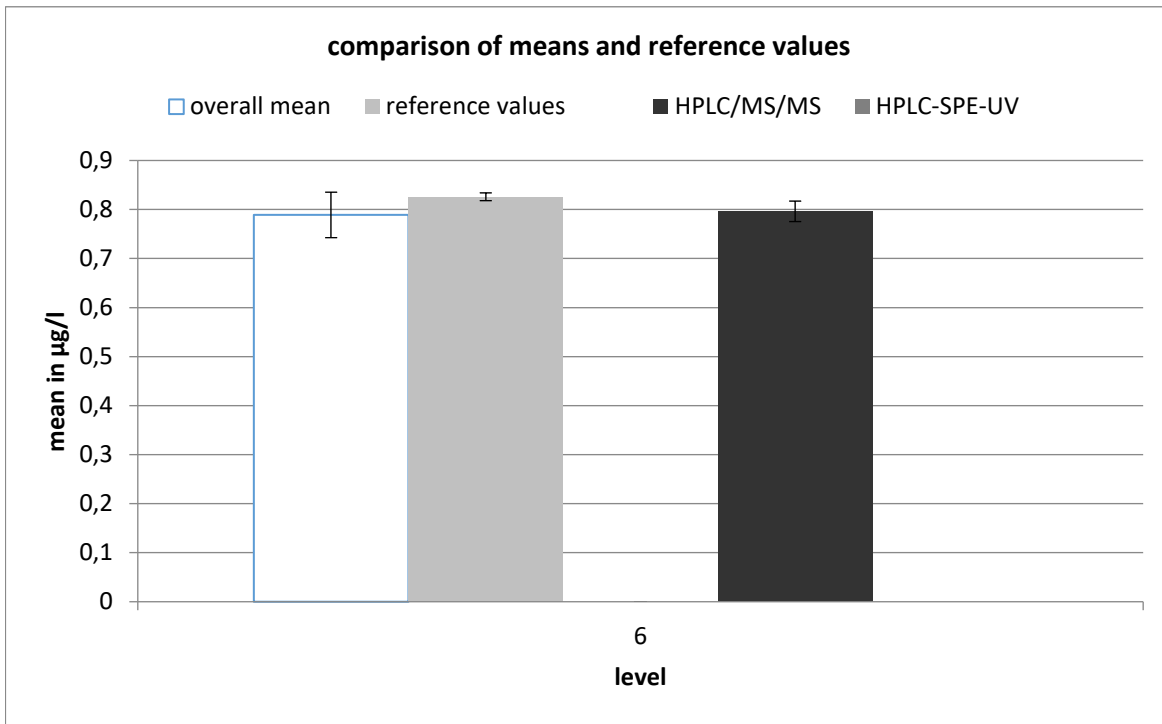
Comparison of means and reference values

level	mean [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]	reference value [µg/l]	exp. uncertainty [µg/l]	exp. uncertainty [%]
1	0,1163	0,0043	3,7	0,1211	0,0012	1,0
2	0,2351	0,0154	6,5	0,2473	0,0024	1,0
3	0,3842	0,0241	6,3	0,3909	0,0038	1,0
4	0,5312	0,0227	4,3	0,5507	0,0053	1,0
5	0,5605	0,0299	5,3	0,5872	0,0056	1,0
6	0,7889	0,0464	5,9	0,8259	0,0079	1,0



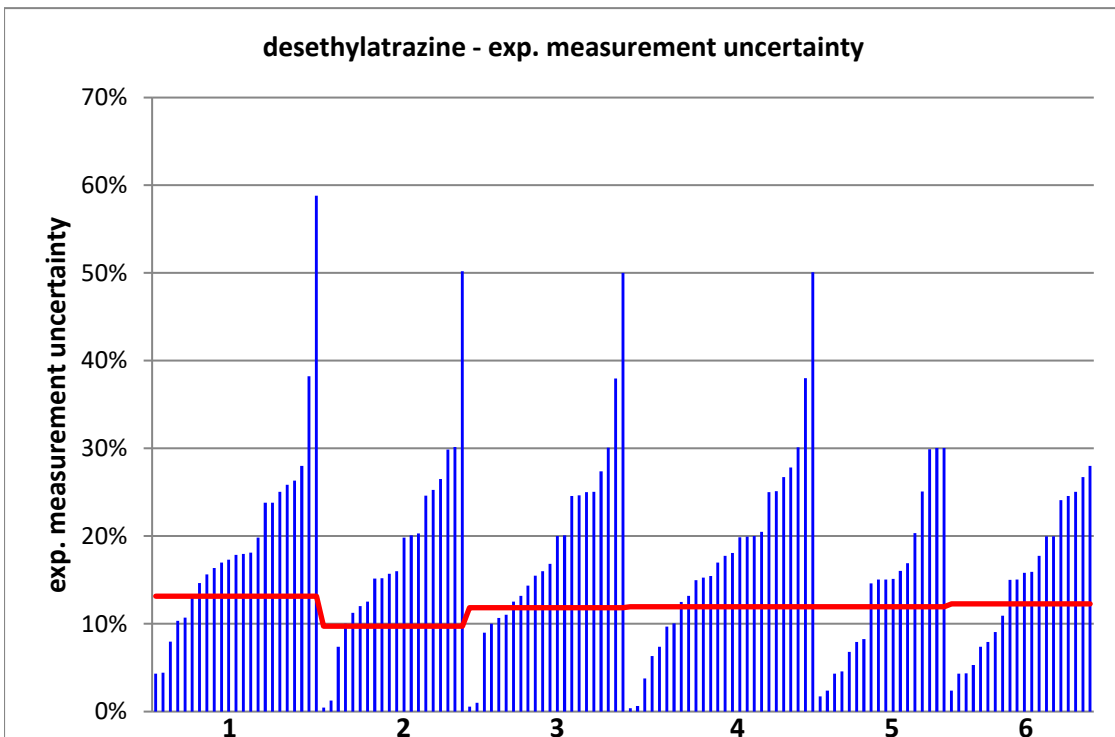
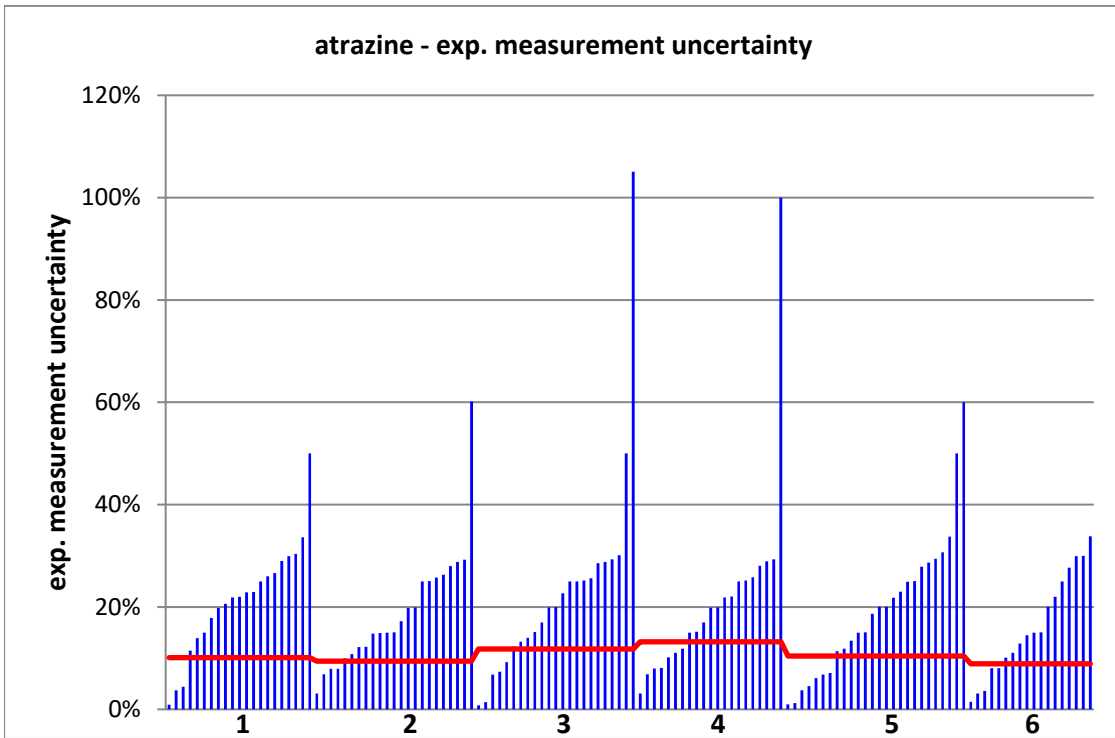


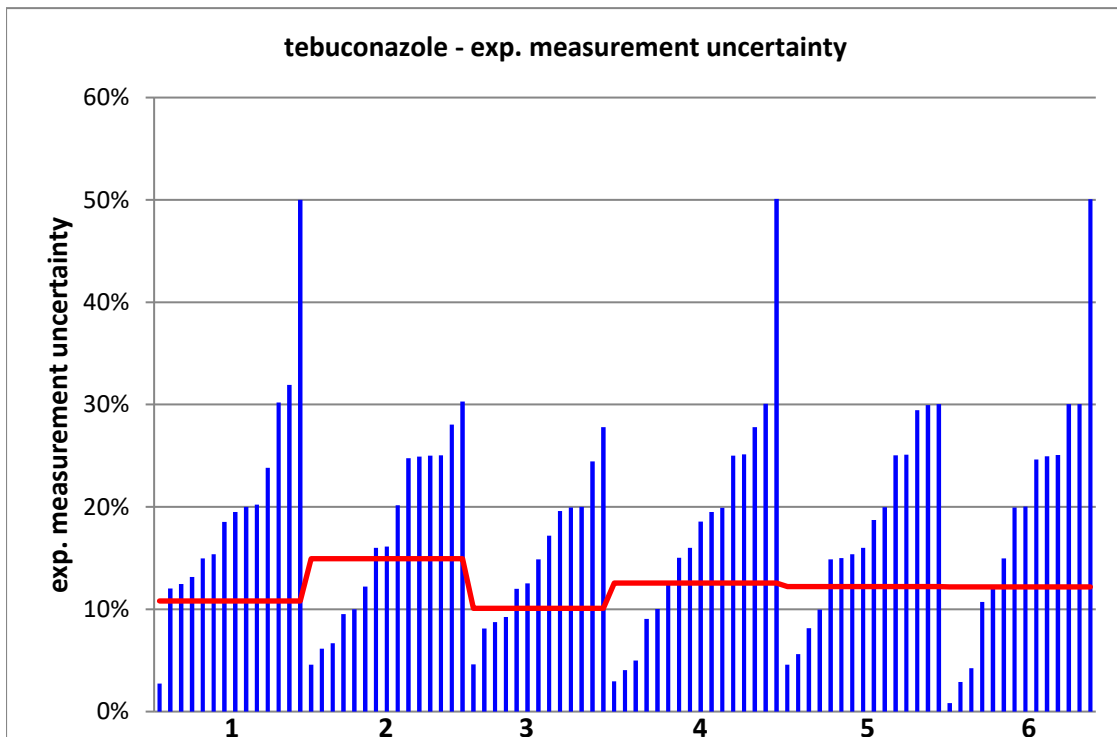
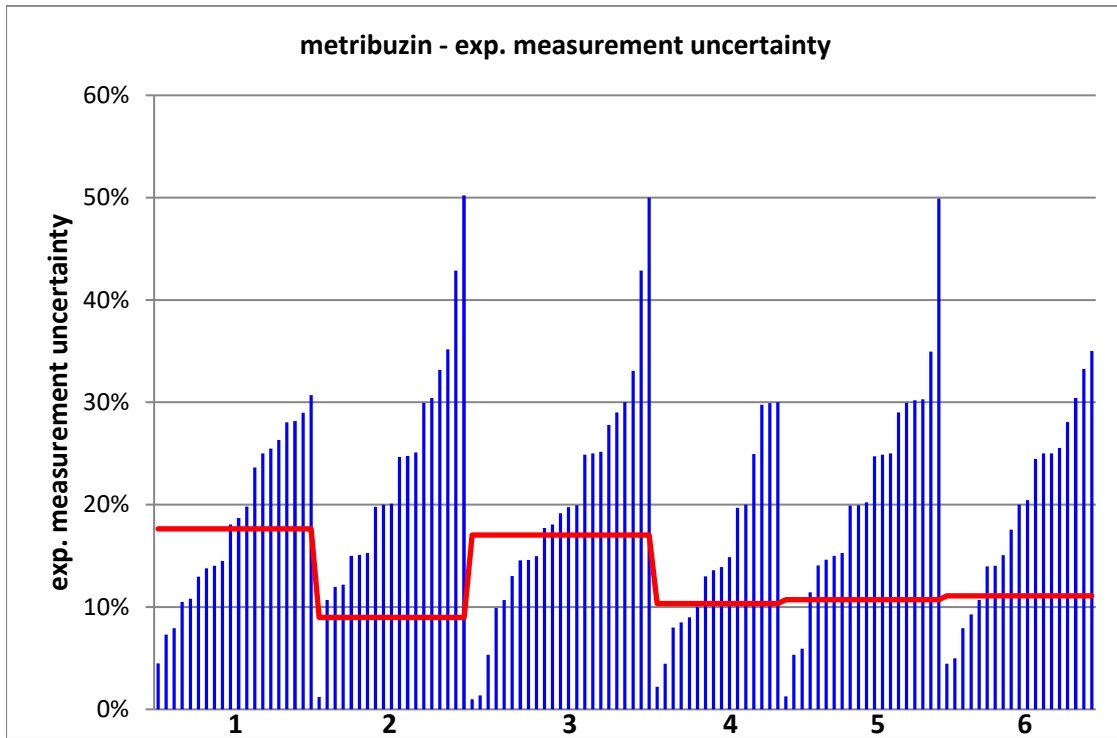


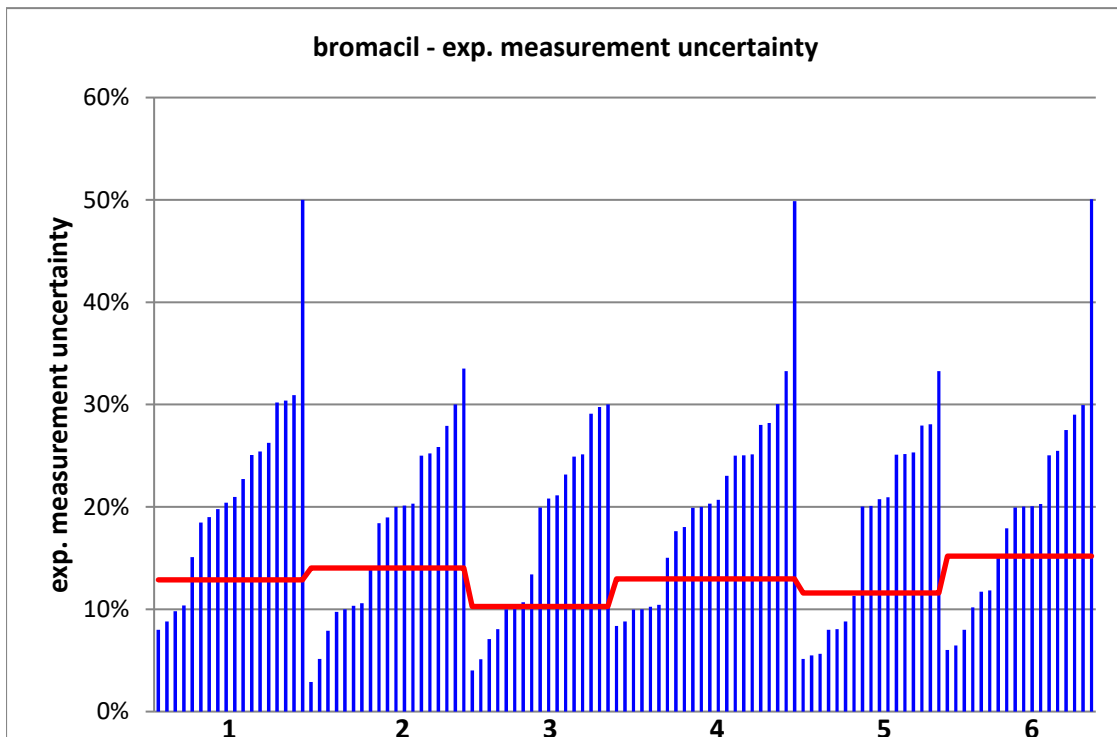
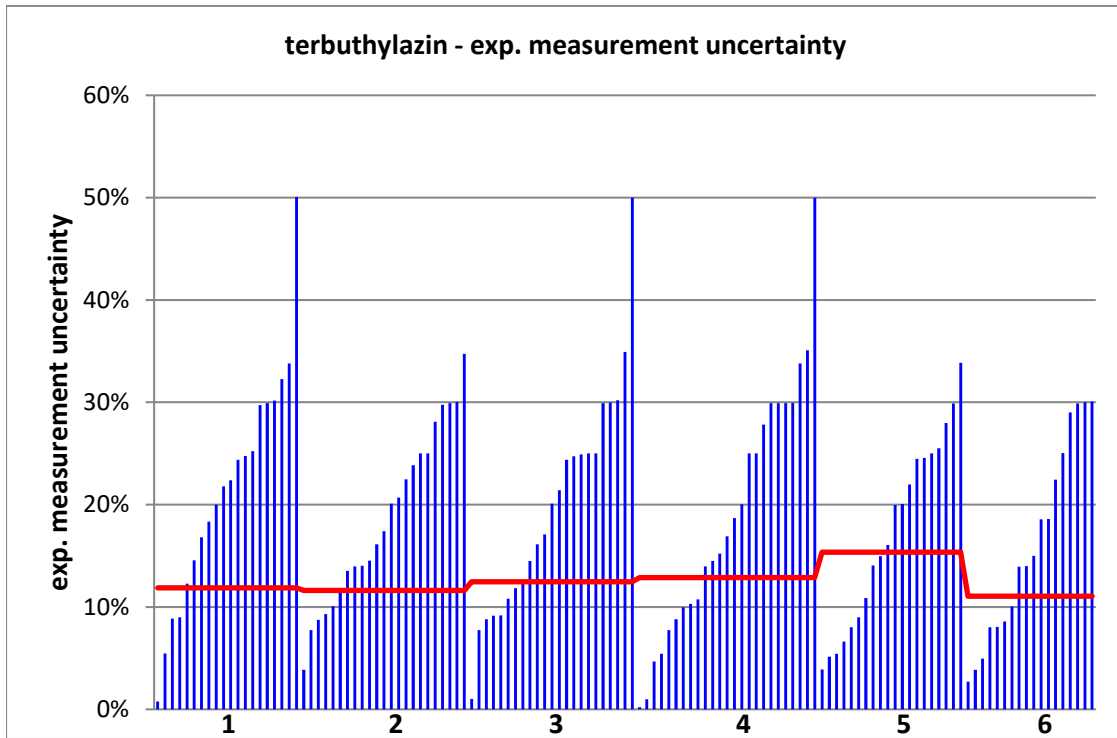


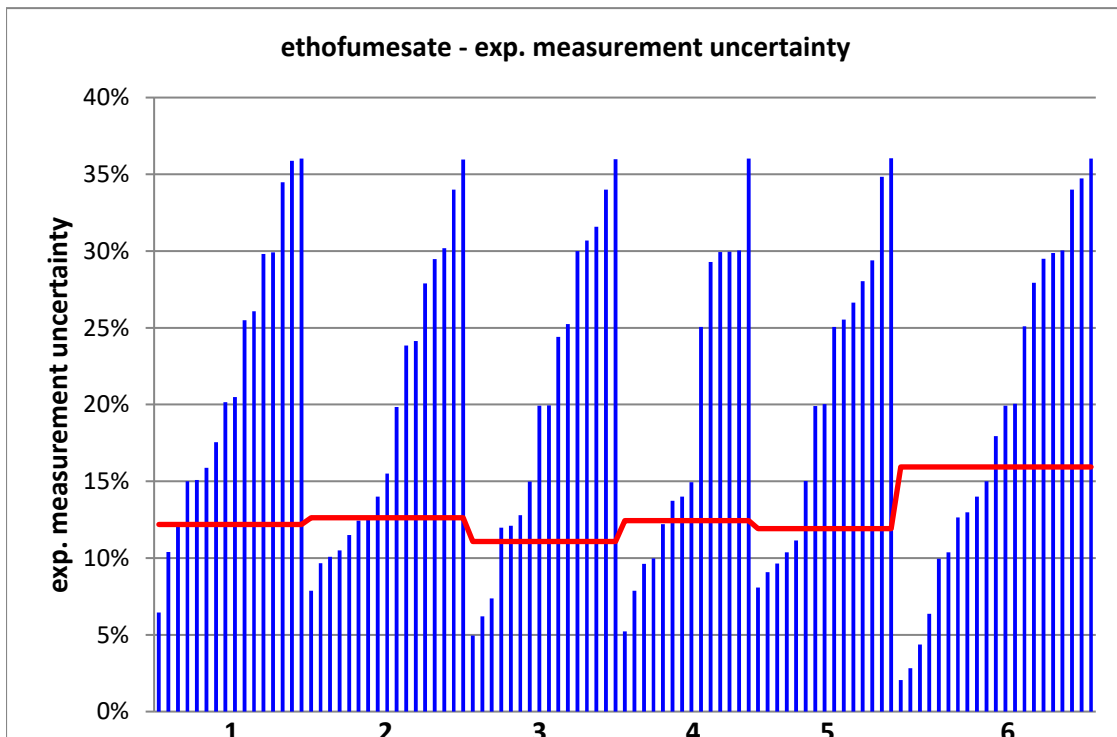
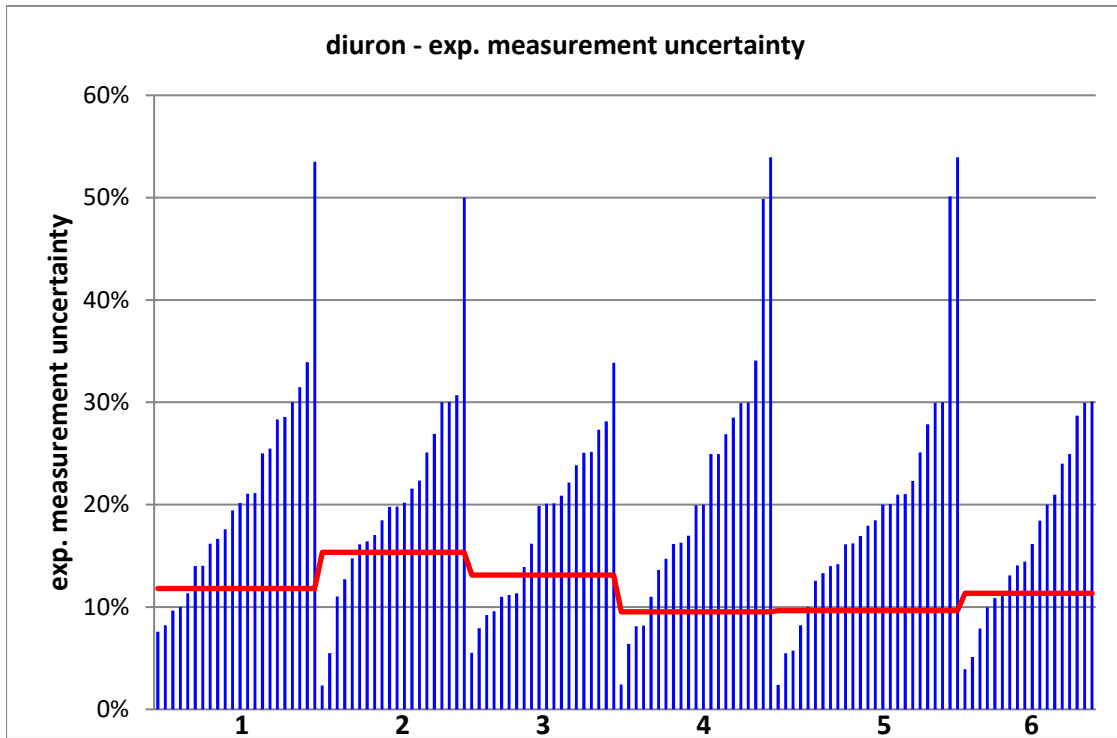
HPLC/MS/MS									
level	robust mean [µg/l]	exp. unc. of the mean [µg/l]	exp. unc. of the mean [%]	robust standard deviation [µg/]	robust standard deviation [%]	number of results	out below	out above	out [%]
1	0,116	0,002	1,828	0,008	7,314	25	1	4	20
2	0,24	0,01	4,169	0,039	16,34	24	1	1	8,33
3	0,398	0,016	4,053	0,059	14,86	21	1	1	9,52
4	0,541	0,01	1,796	0,042	7,739	29	1	1	6,9
5	0,587	0,026	4,351	0,1	17,05	24	0	1	4,17
6	0,796	0,021	2,627	0,08	10,08	23	1	0	4,35

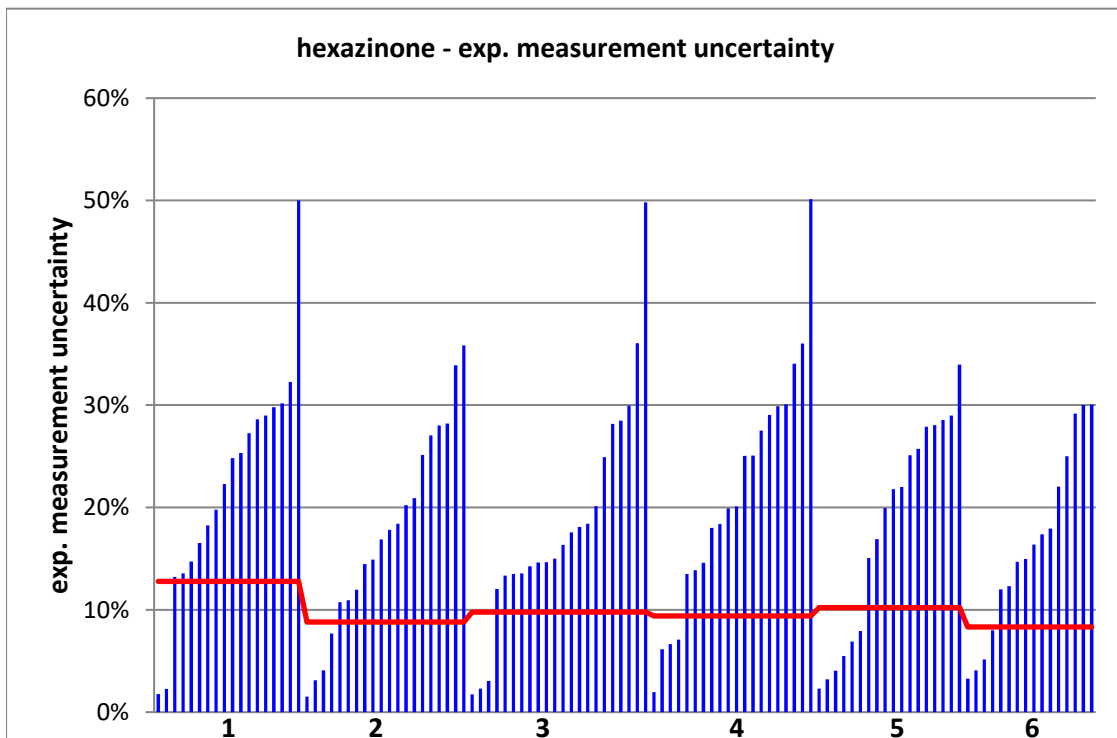
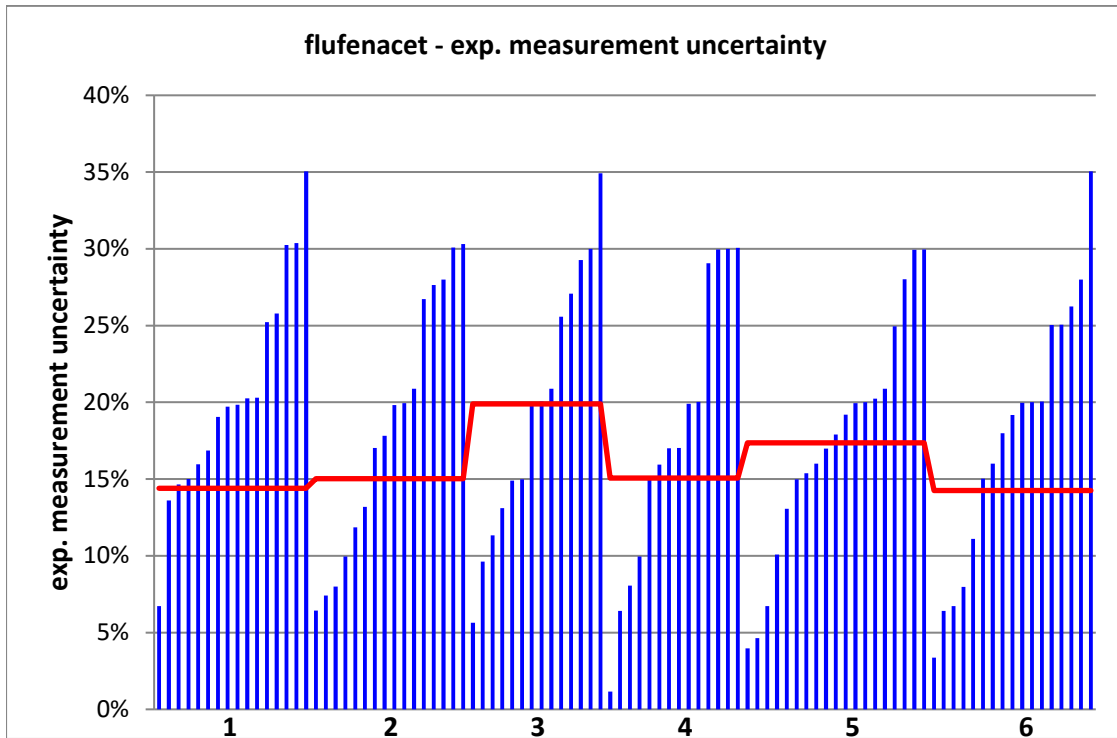
HPLC-SPE-UV									
level	robust mean [µg/l]	exp. unc. of the mean [µg/l]	exp. unc. of the mean [%]	robust standard deviation [µg/]	robust standard deviation [%]	number of results	out below	out above	out [%]
3	0,368	0,047	12,7	0,112	30,47	9	0	1	11,1

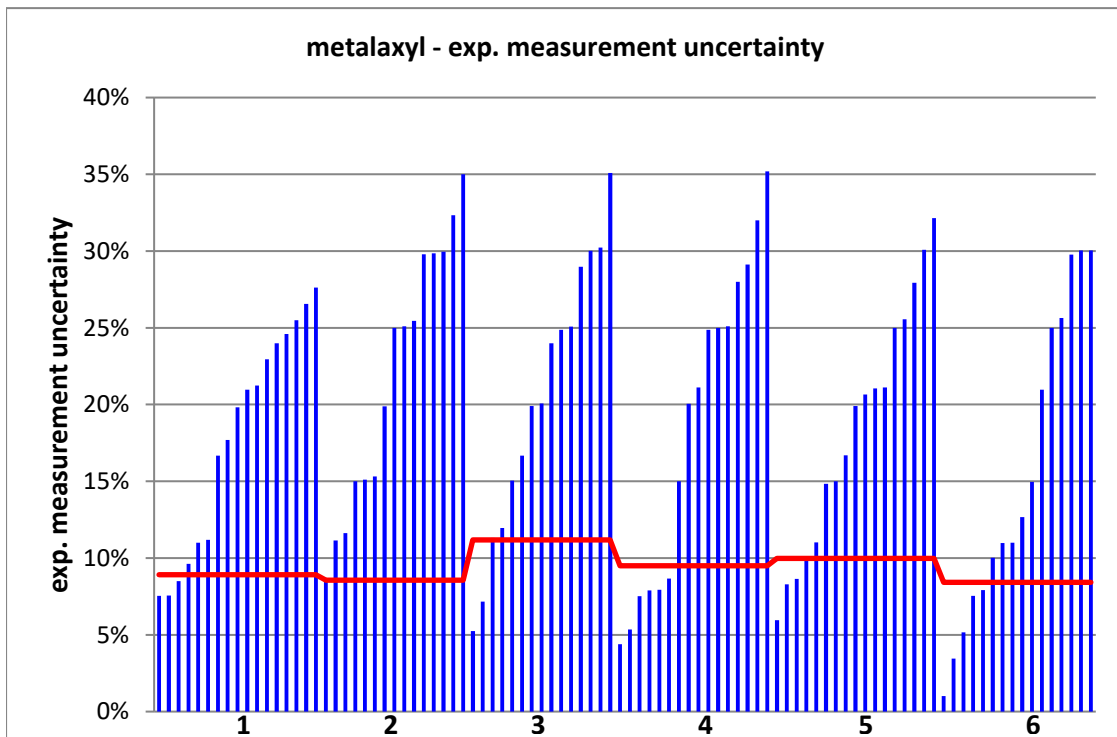
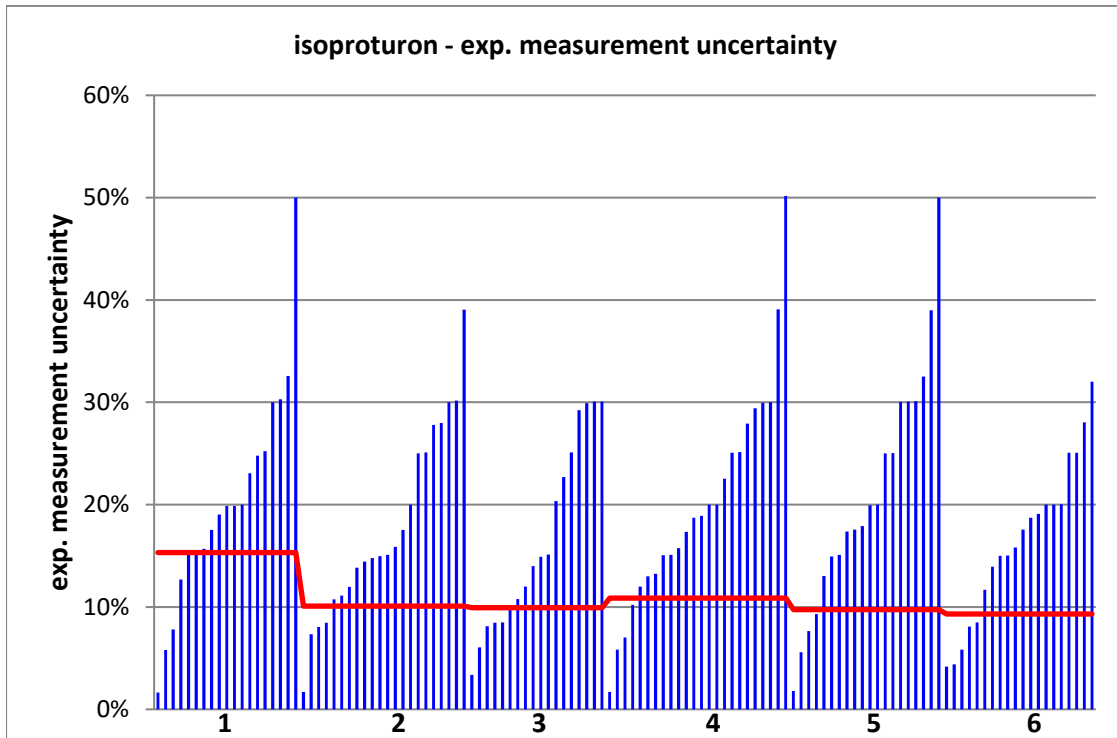


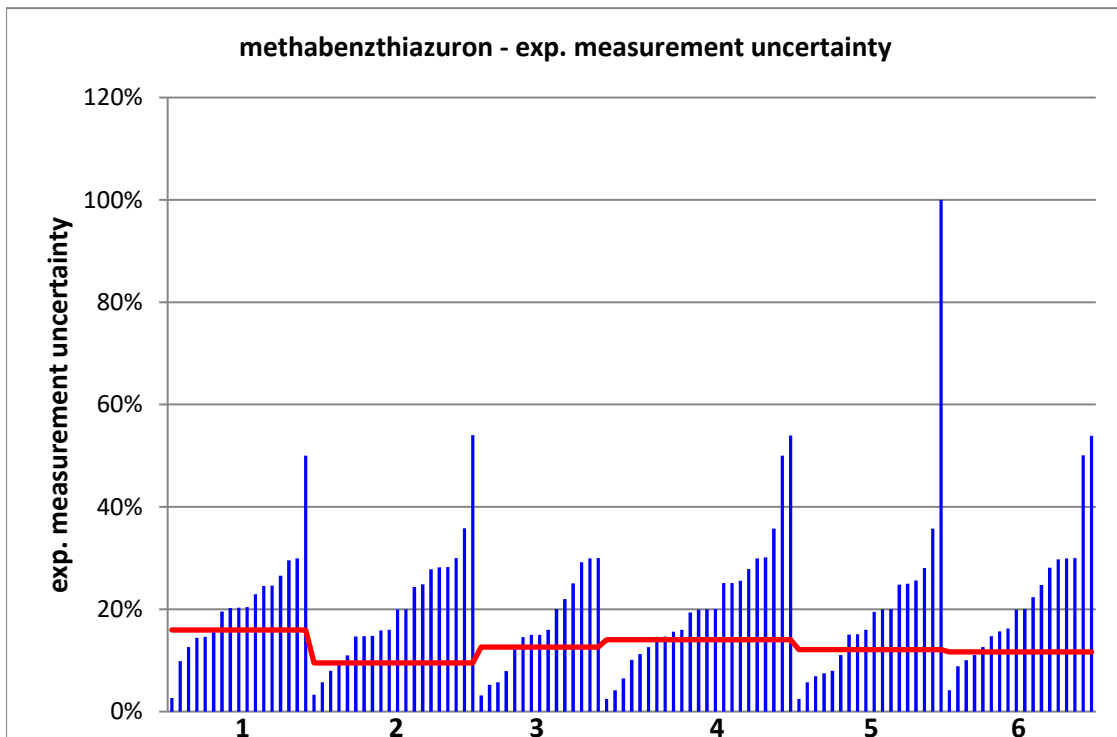
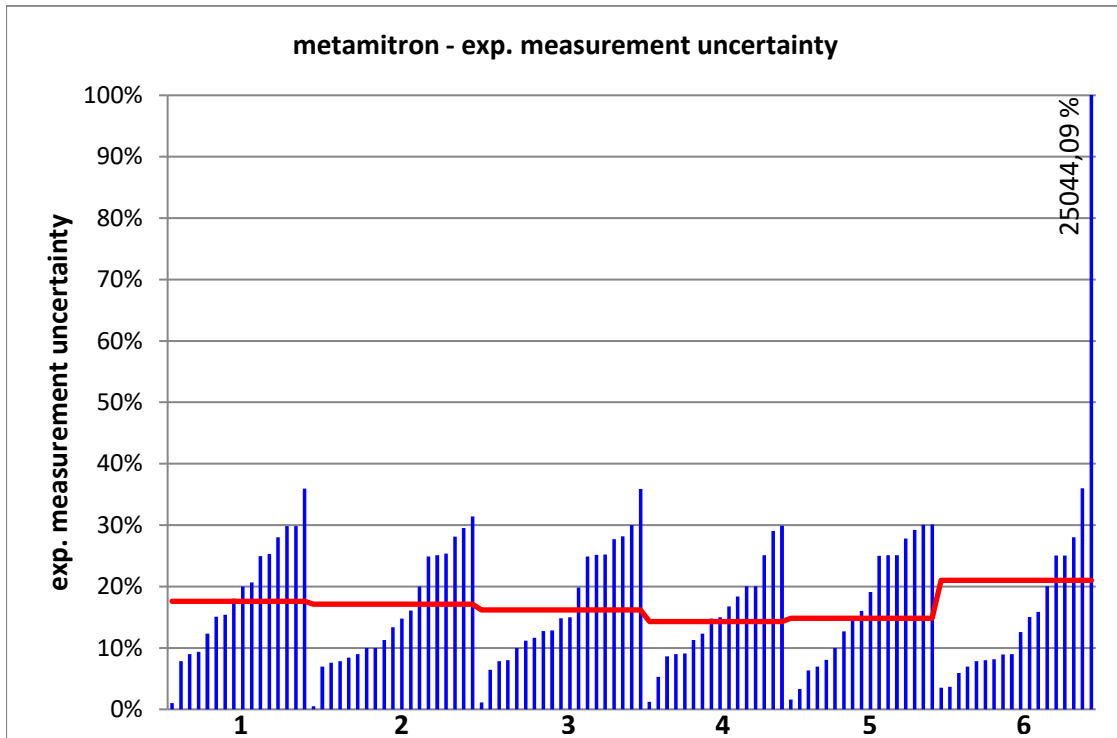


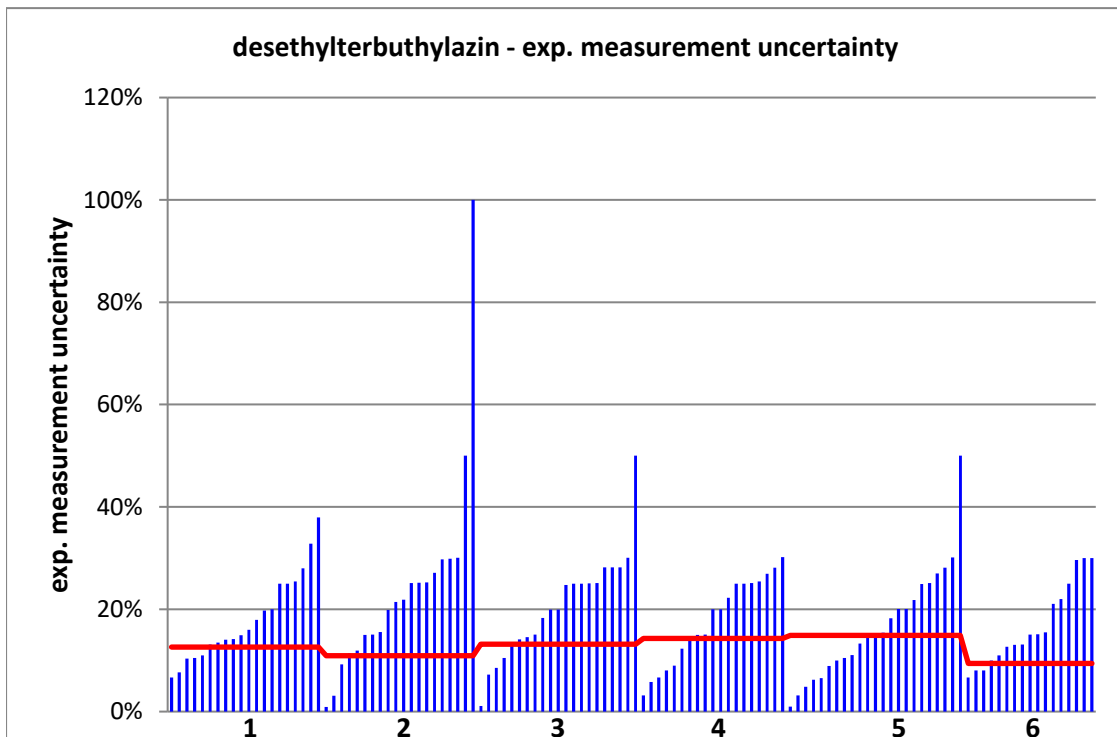
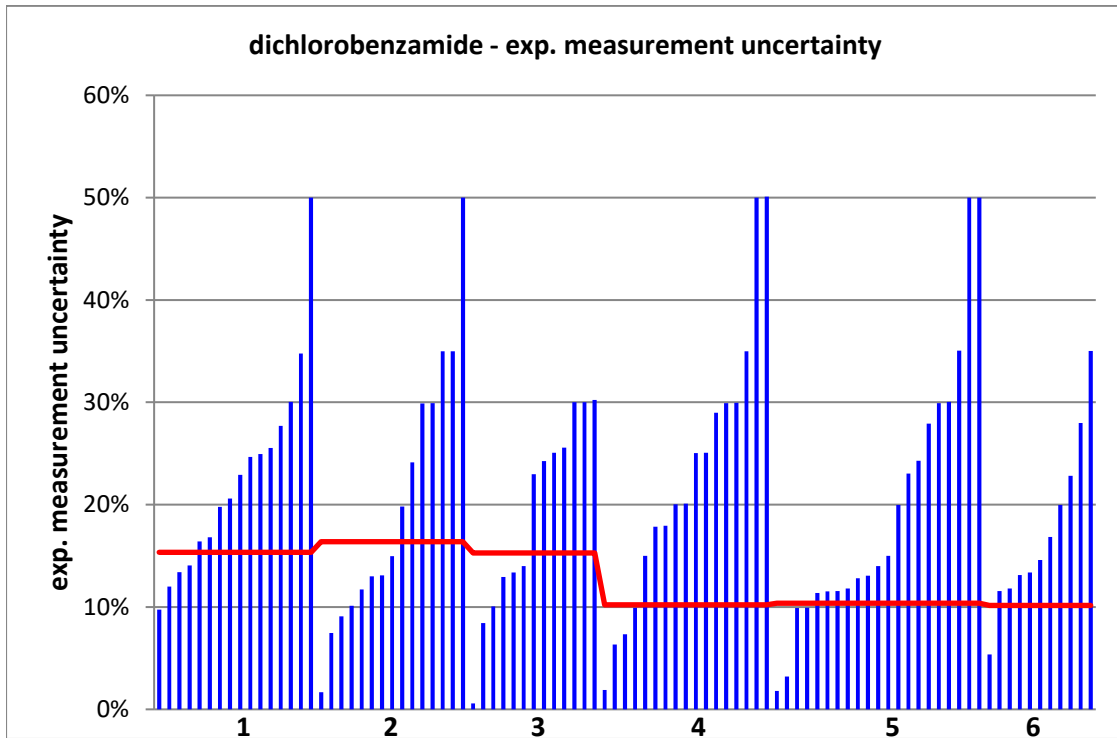


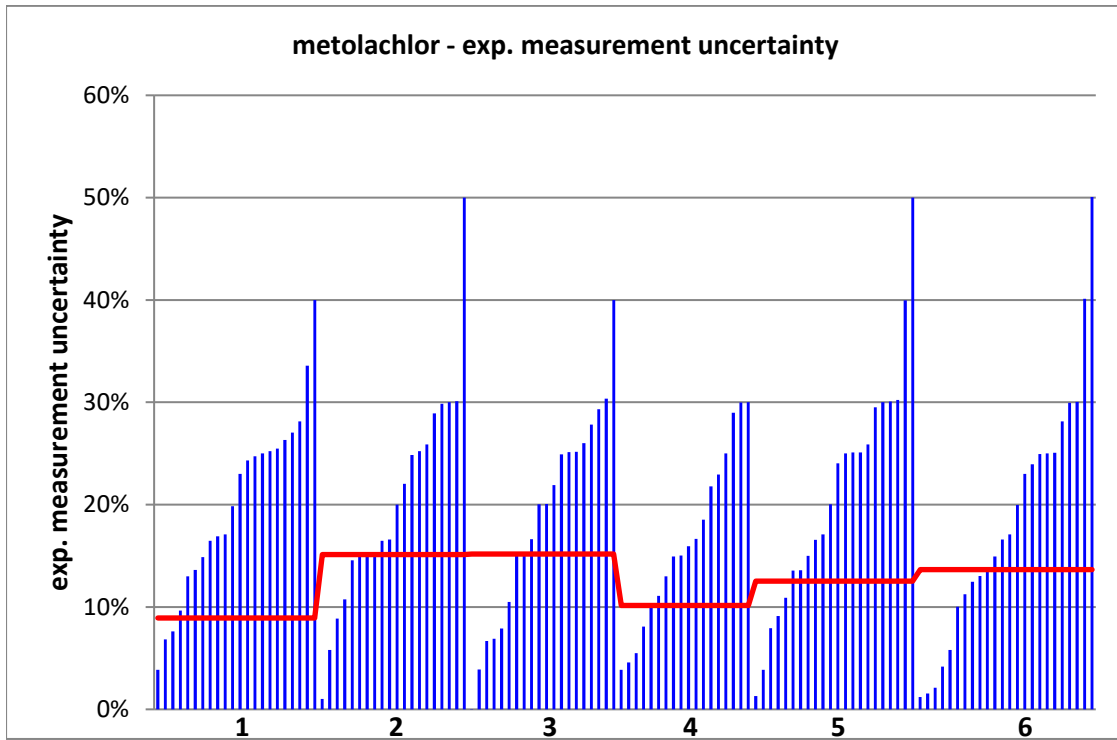








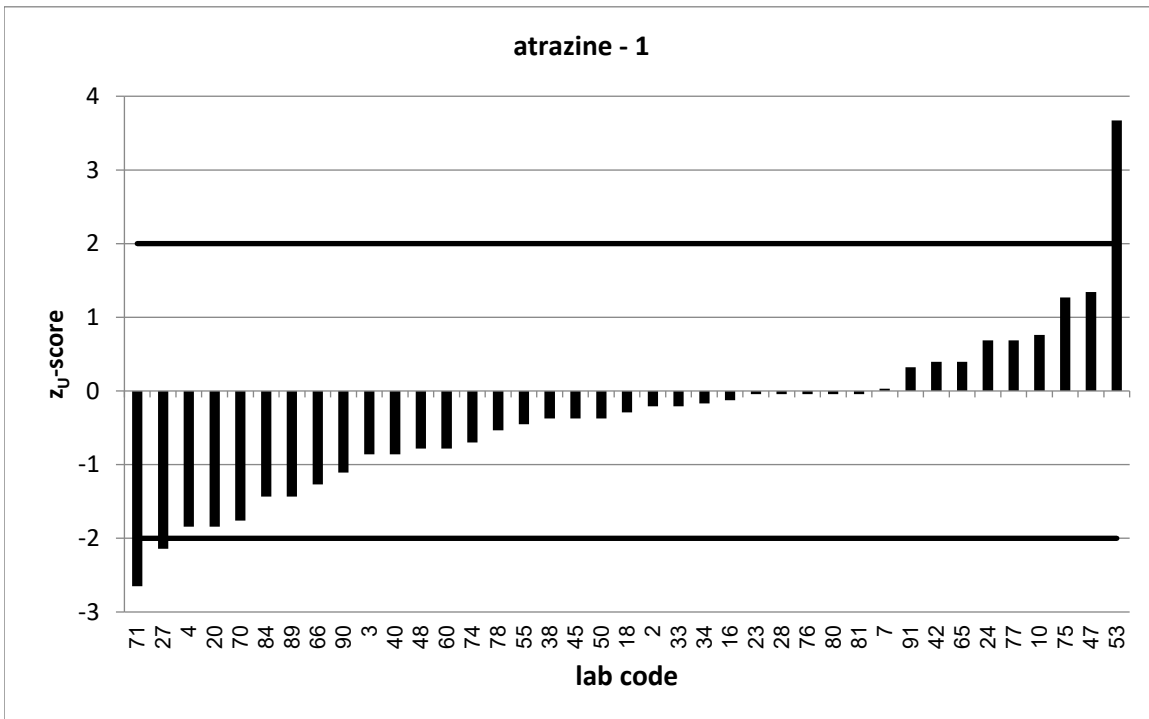
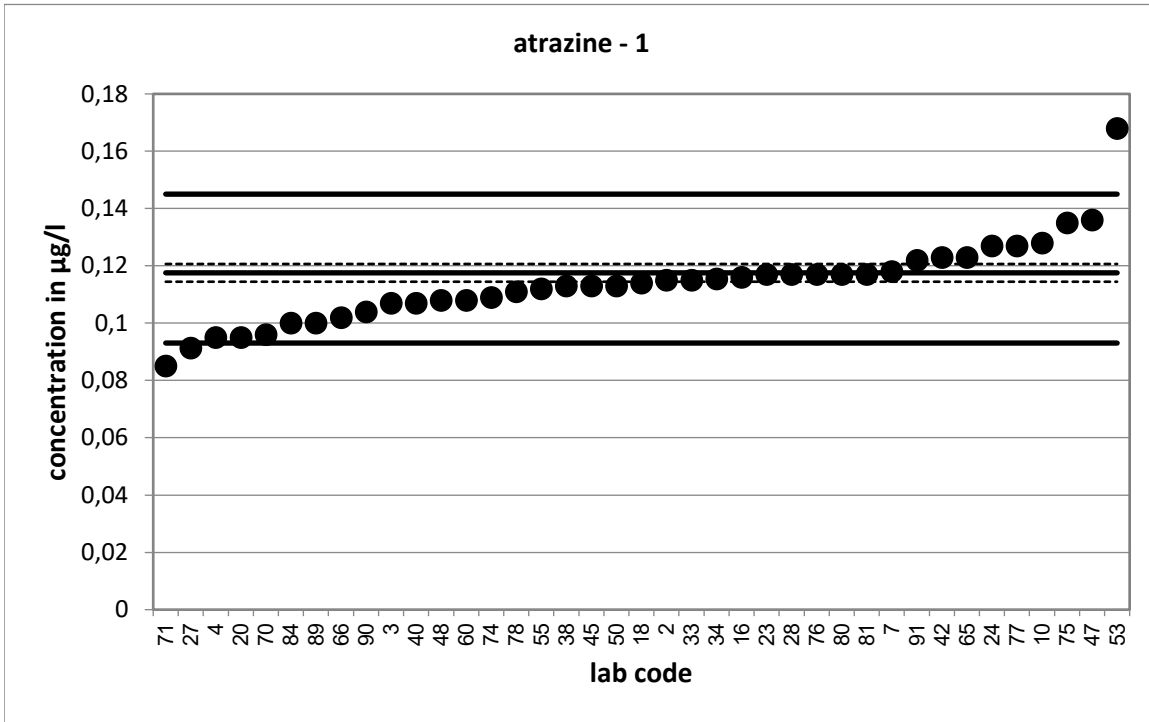


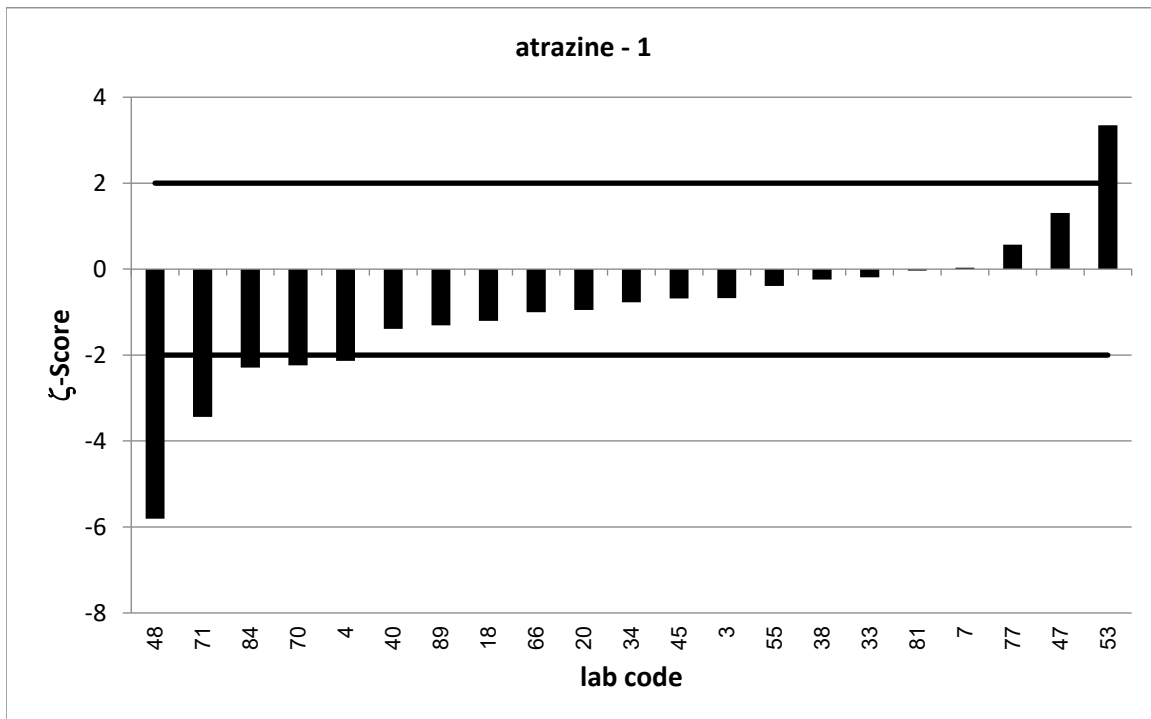
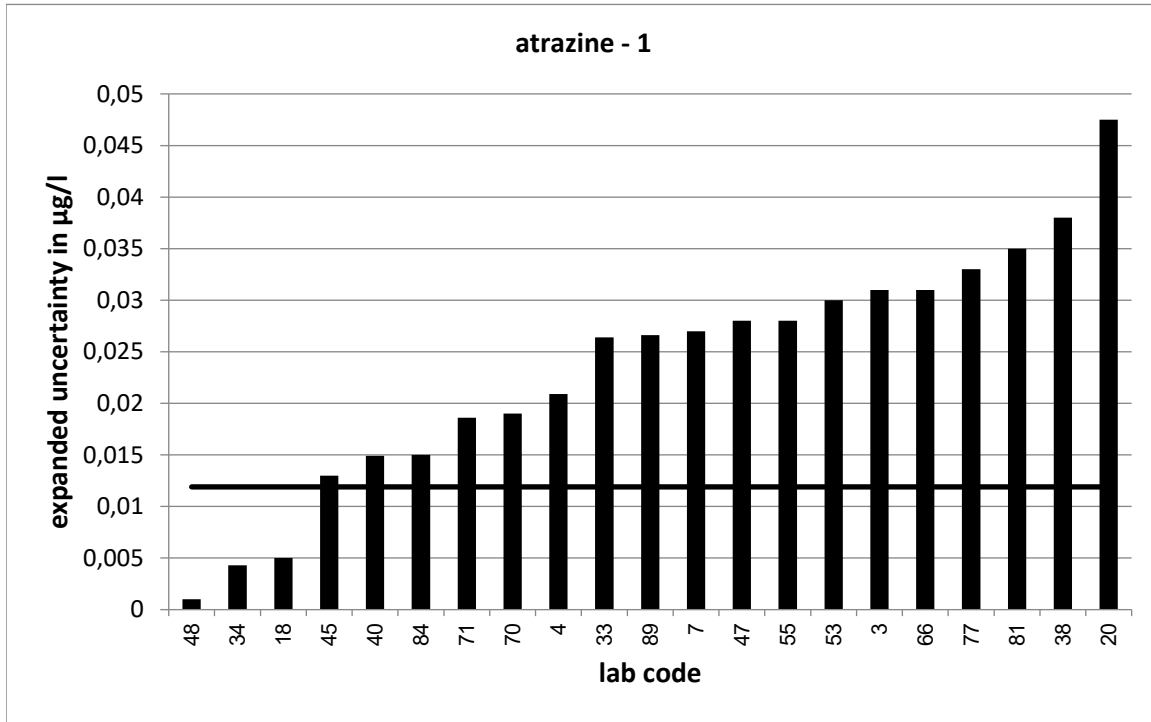


PT 7/20- TW O1		atrazine - 1			
assigned value [$\mu\text{g/l}$]*		0,1176 \pm 0,0031			
upper tolerance limit [$\mu\text{g/l}$]		0,145			
lower tolerance limit [$\mu\text{g/l}$]		0,09305			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,115			-0,2	s
3	0,107	0,031	-0,7	-0,9	s
4	0,095	0,021	-2,1	-1,8	s
7	0,118	0,027	0,0	0,0	s
10	0,128			0,8	s
16	0,116			-0,1	s
18	0,114	0,005	-1,2	-0,3	s
20	0,095	0,048	-0,9	-1,8	s
23	0,117			0,0	s
24	0,127			0,7	s
27	0,0913			-2,1	q
28	0,117			0,0	s
33	0,115	0,026	-0,2	-0,2	s
34	0,1155	0,004	-0,8	-0,2	s
38	0,113	0,038	-0,2	-0,4	s
40	0,107	0,015	-1,4	-0,9	s
42	0,123			0,4	s
45	0,113	0,013	-0,7	-0,4	s
47	0,136	0,028	1,3	1,3	s
48	0,108	0,001	-5,8	-0,8	s
50	0,113			-0,4	s
53	0,168	0,03	3,3	3,7	u
55	0,112	0,028	-0,4	-0,5	s
60	0,108			-0,8	s
65	0,123			0,4	s
66	0,102	0,031	-1,0	-1,3	s
70	0,096	0,019	-2,2	-1,8	s
71	0,0851	0,019	-3,4	-2,6	q
74	0,109			-0,7	s
75	0,135			1,3	s
76	0,117			0,0	s
77	0,127	0,033	0,6	0,7	s
78	0,111			-0,5	s
80	0,117			0,0	s
81	0,117	0,035	0,0	0,0	s
84	0,1	0,015	-2,3	-1,4	s
89	0,1	0,027	-1,3	-1,4	s
90	0,104			-1,1	s
91	0,122			0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

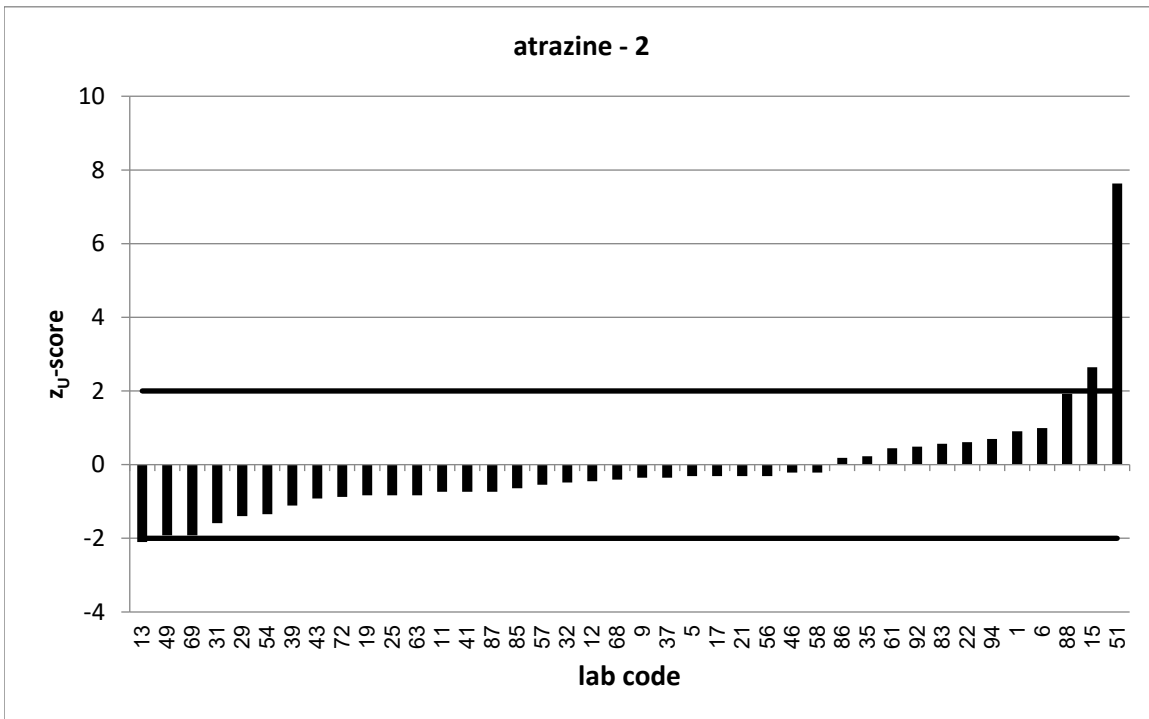
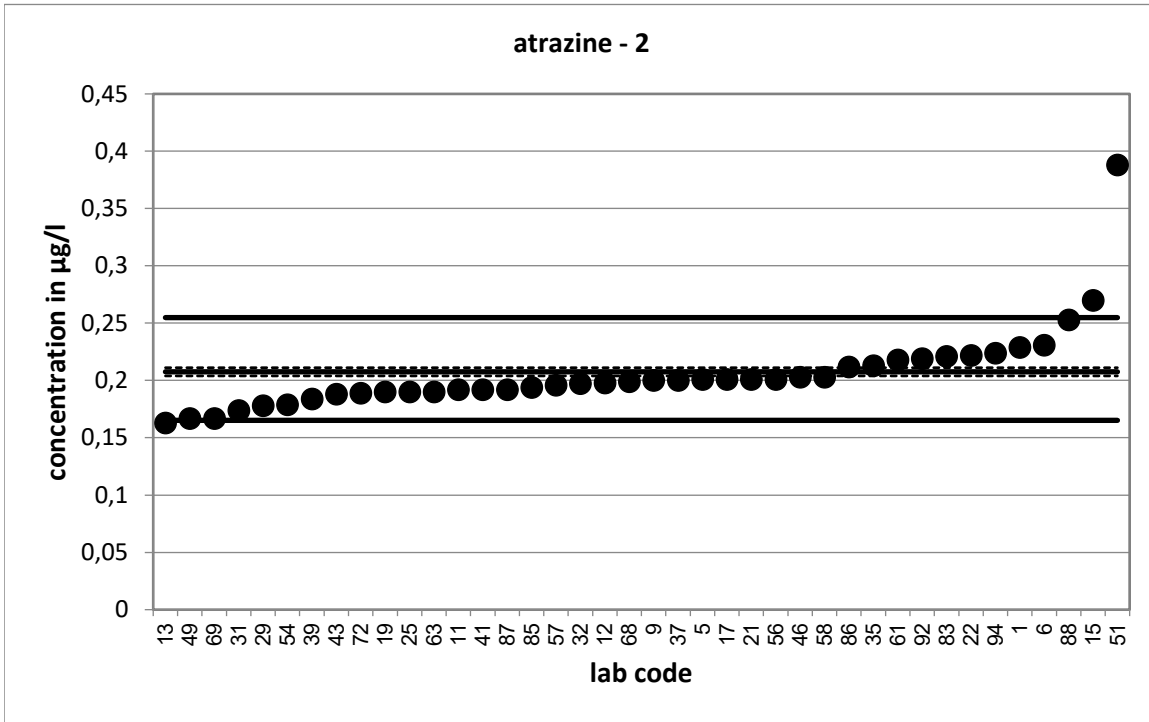


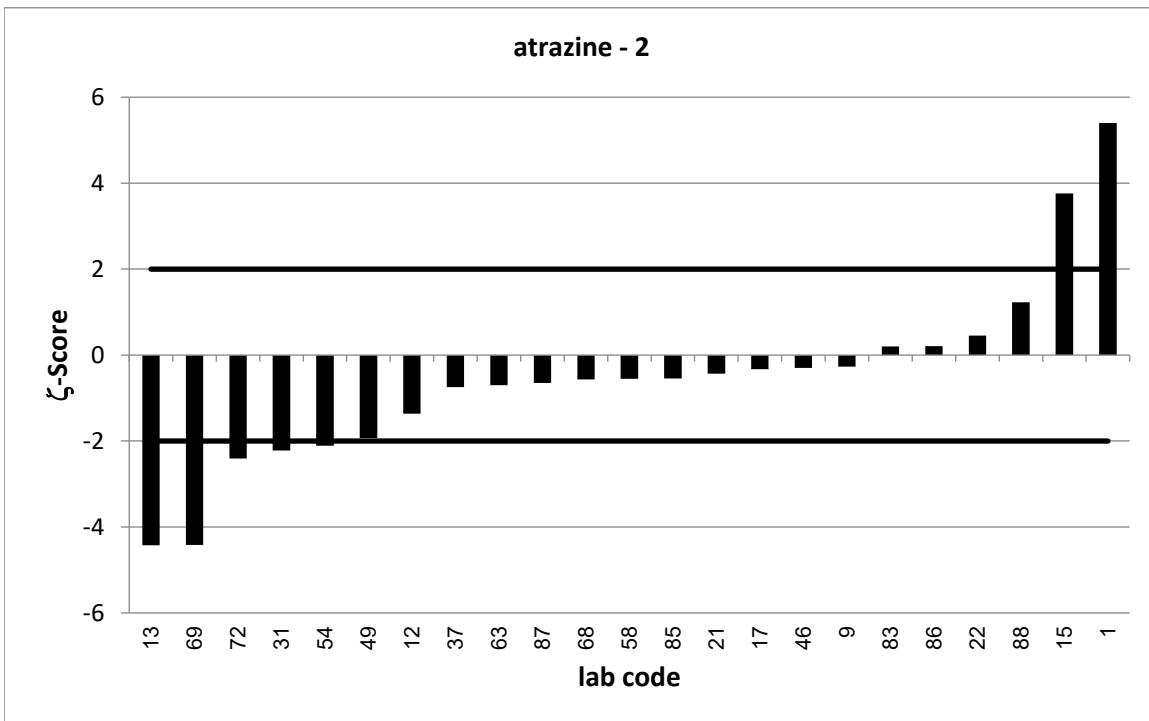
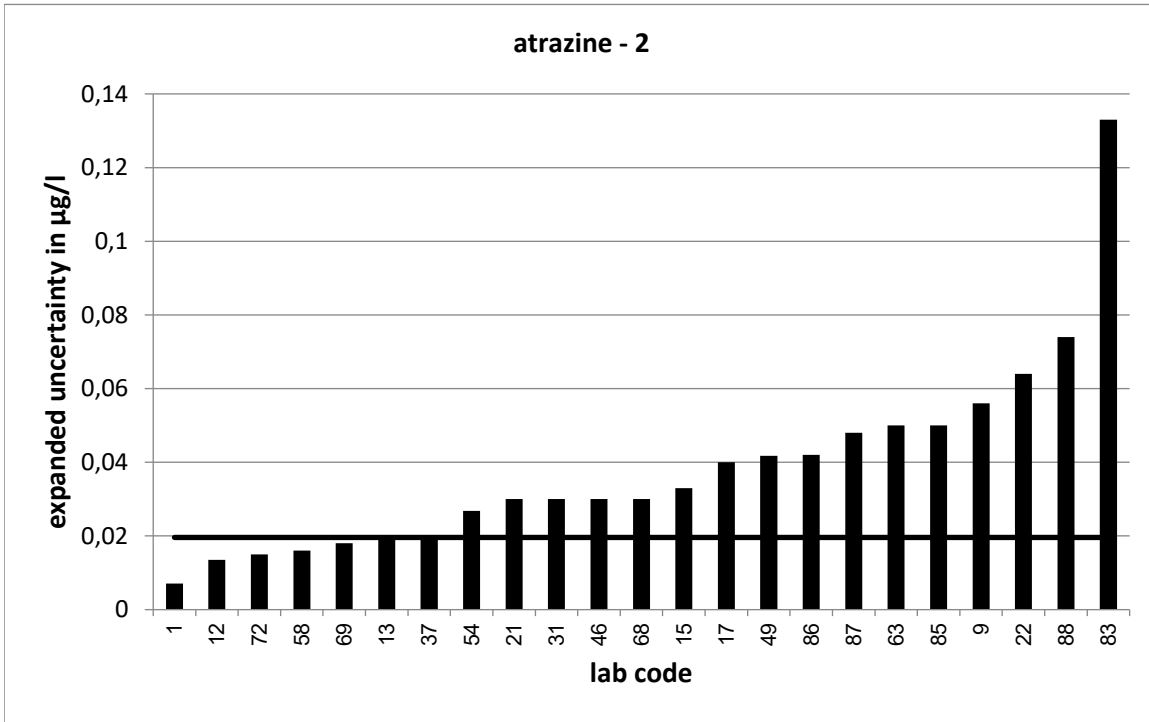


PT 7/20- TW O1		atrazine - 2			
assigned value [$\mu\text{g/l}$]*		0,2075 \pm 0,0036			
upper tolerance limit [$\mu\text{g/l}$]		0,2548			
lower tolerance limit [$\mu\text{g/l}$]		0,1652			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,229	0,007	5,4	0,9	s
5	0,201			-0,3	s
6	0,231			1,0	s
9	0,2	0,056	-0,3	-0,4	s
11	0,192			-0,7	s
12	0,198	0,014	-1,4	-0,5	s
13	0,163	0,02	-4,4	-2,1	q
15	0,27	0,033	3,8	2,6	q
17	0,201	0,04	-0,3	-0,3	s
19	0,19			-0,8	s
21	0,201	0,03	-0,4	-0,3	s
22	0,222	0,064	0,5	0,6	s
25	0,19			-0,8	s
29	0,178			-1,4	s
31	0,174	0,03	-2,2	-1,6	s
32	0,1973			-0,5	s
35	0,213			0,2	s
37	0,2	0,02	-0,7	-0,4	s
39	0,184			-1,1	s
41	0,192			-0,7	s
43	0,188			-0,9	s
46	0,203	0,03	-0,3	-0,2	s
49	0,167	0,042	-1,9	-1,9	s
51	0,388			7,6	u
54	0,179	0,027	-2,1	-1,3	s
56	0,201			-0,3	s
57	0,196			-0,5	s
58	0,203	0,016	-0,6	-0,2	s
61	0,218			0,4	s
63	0,19	0,05	-0,7	-0,8	s
68	0,199	0,03	-0,6	-0,4	s
69	0,167	0,018	-4,4	-1,9	s
72	0,189	0,015	-2,4	-0,9	s
83	0,221	0,133	0,2	0,6	s
85	0,194	0,05	-0,5	-0,6	s
86	0,212	0,042	0,2	0,2	s
87	0,192	0,048	-0,6	-0,7	s
88	0,253	0,074	1,2	1,9	s
92	0,219			0,5	s
94	0,224			0,7	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

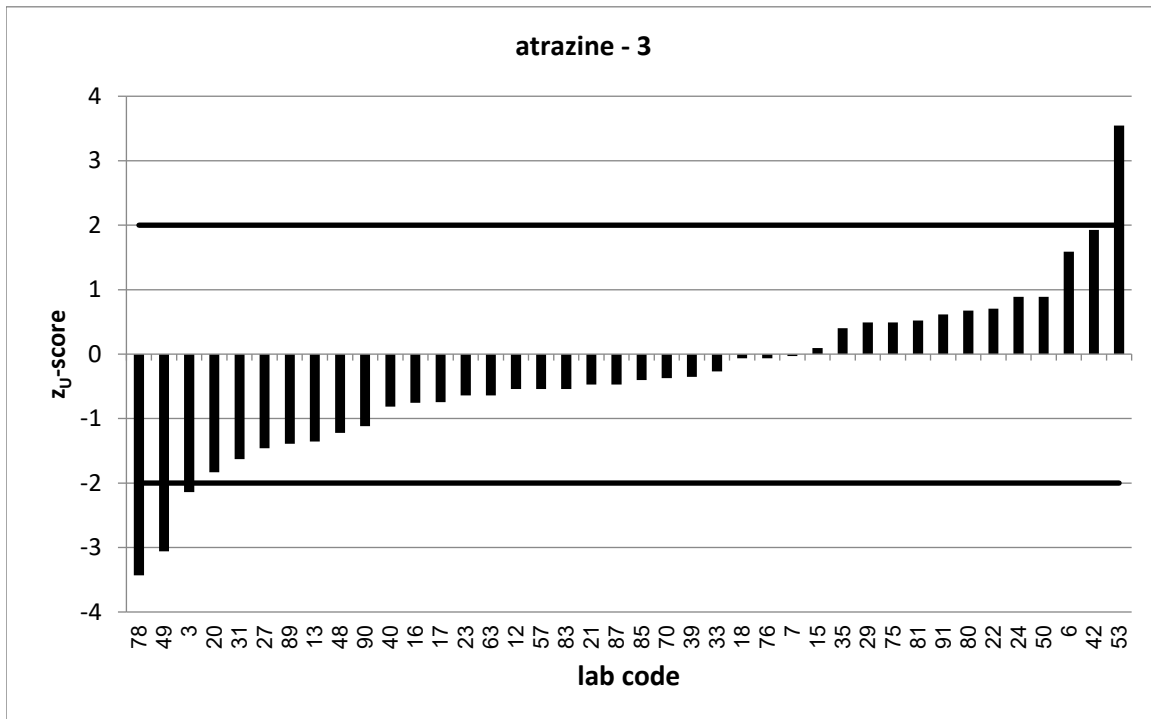
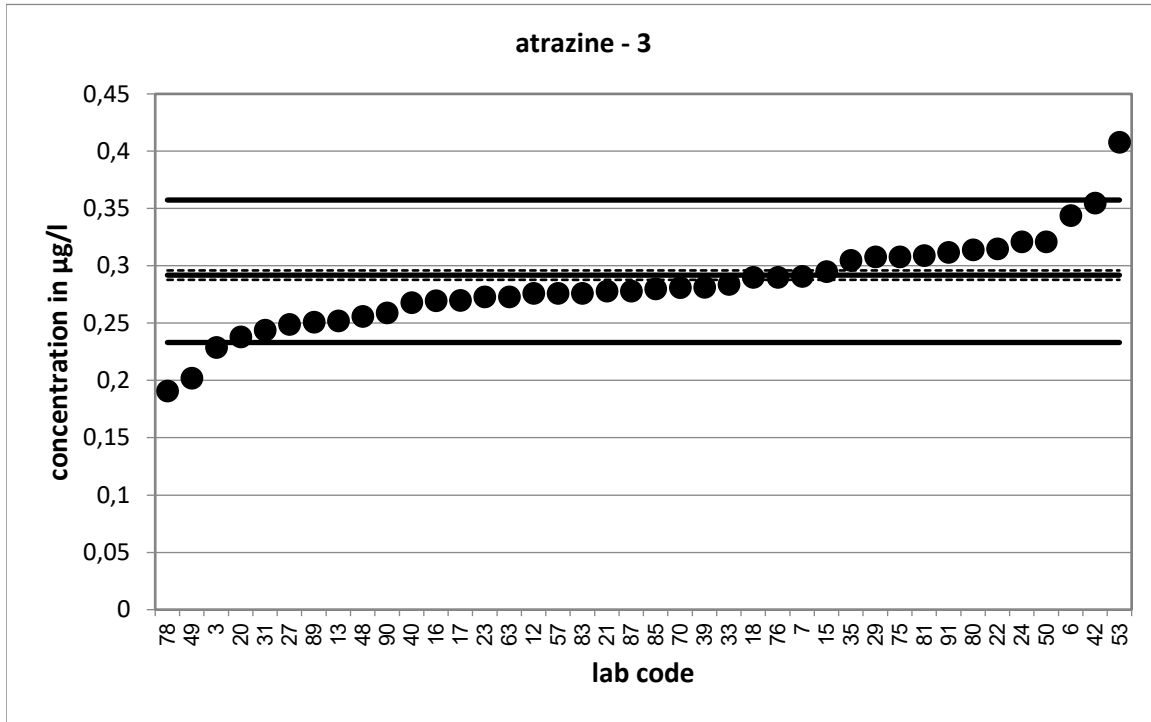


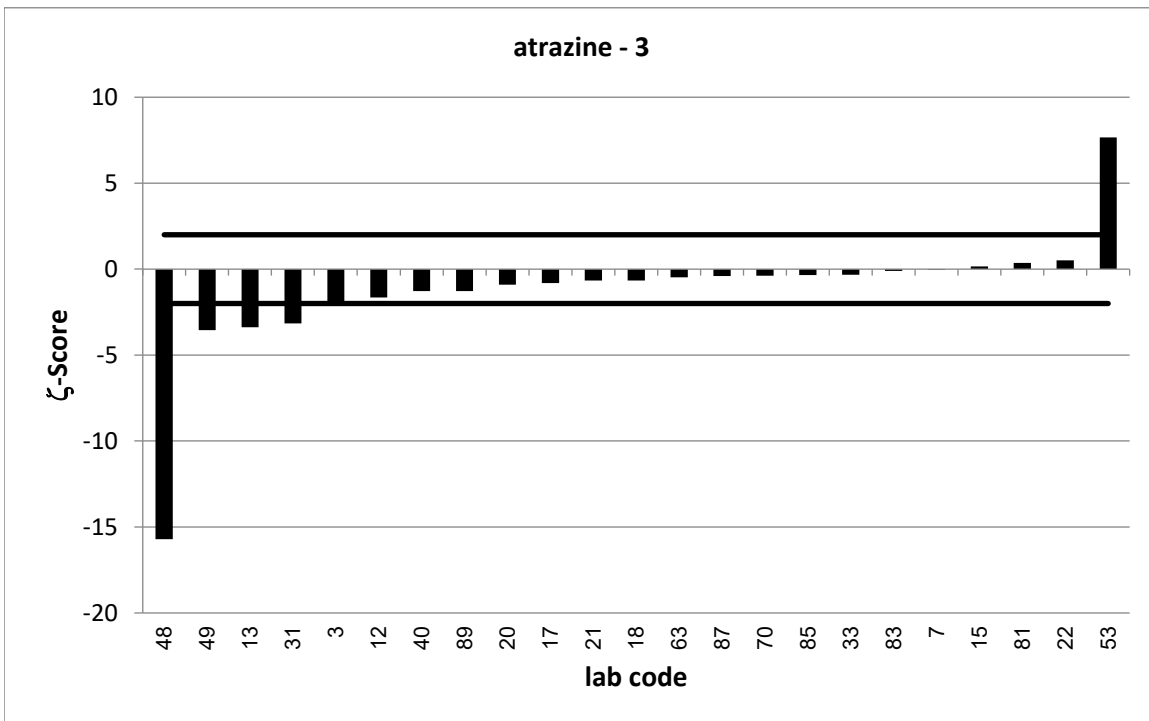
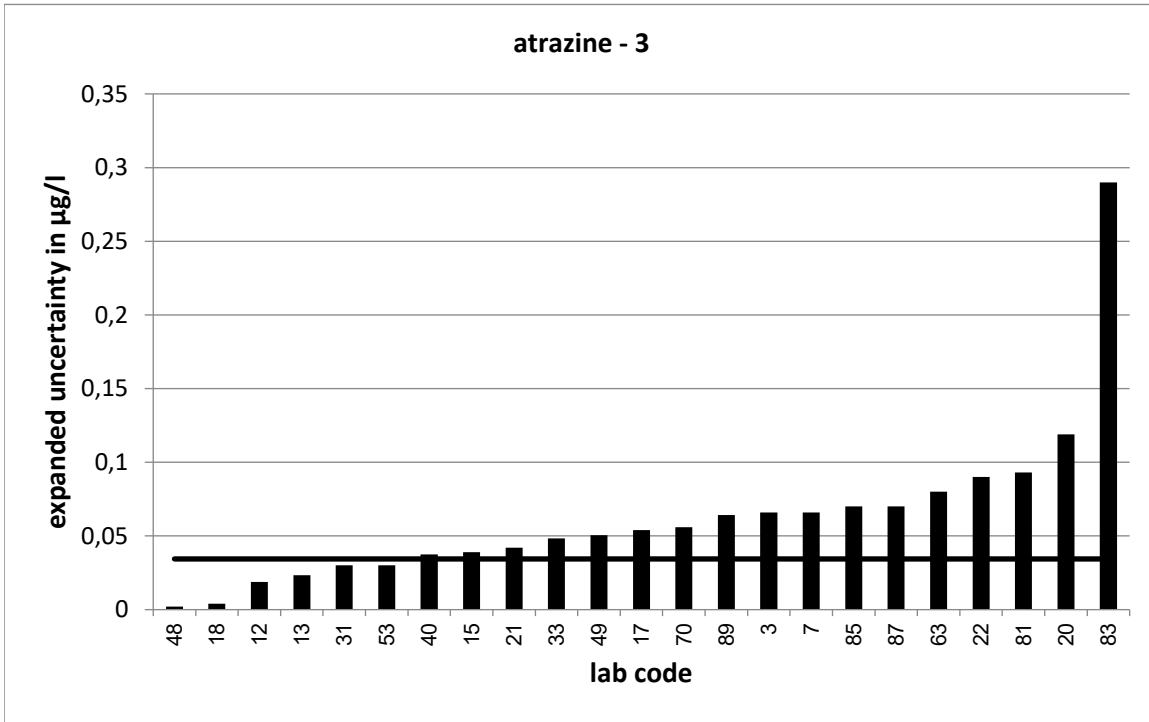


PT 7/20- TW O1		atrazine - 3			
assigned value [$\mu\text{g/l}$]*		0,2919 \pm 0,0041			
upper tolerance limit [$\mu\text{g/l}$]		0,3574			
lower tolerance limit [$\mu\text{g/l}$]		0,2331			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
3	0,229	0,066	-1,9	-2,1	q
6	0,344			1,6	s
7	0,291	0,066	0,0	0,0	s
12	0,276	0,019	-1,7	-0,5	s
13	0,252	0,023	-3,4	-1,4	s
15	0,295	0,039	0,2	0,1	s
16	0,2697			-0,8	s
17	0,27	0,054	-0,8	-0,7	s
18	0,29	0,004	-0,7	-0,1	s
20	0,238	0,119	-0,9	-1,8	s
21	0,278	0,042	-0,7	-0,5	s
22	0,315	0,09	0,5	0,7	s
23	0,273			-0,6	s
24	0,321			0,9	s
27	0,249			-1,5	s
29	0,308			0,5	s
31	0,244	0,03	-3,2	-1,6	s
33	0,284	0,048	-0,3	-0,3	s
35	0,305			0,4	s
39	0,2815			-0,4	s
40	0,268	0,037	-1,3	-0,8	s
42	0,355			1,9	s
48	0,256	0,002	-15,7	-1,2	s
49	0,202	0,051	-3,5	-3,1	u
50	0,321			0,9	s
53	0,408	0,03	7,7	3,5	u
57	0,276			-0,5	s
63	0,273	0,08	-0,5	-0,6	s
70	0,281	0,056	-0,4	-0,4	s
75	0,308			0,5	s
76	0,29			-0,1	s
78	0,191			-3,4	u
80	0,314			0,7	s
81	0,309	0,093	0,4	0,5	s
83	0,276	0,29	-0,1	-0,5	s
85	0,28	0,07	-0,3	-0,4	s
87	0,278	0,07	-0,4	-0,5	s
89	0,251	0,064	-1,3	-1,4	s
90	0,259			-1,1	s
91	0,312			0,6	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

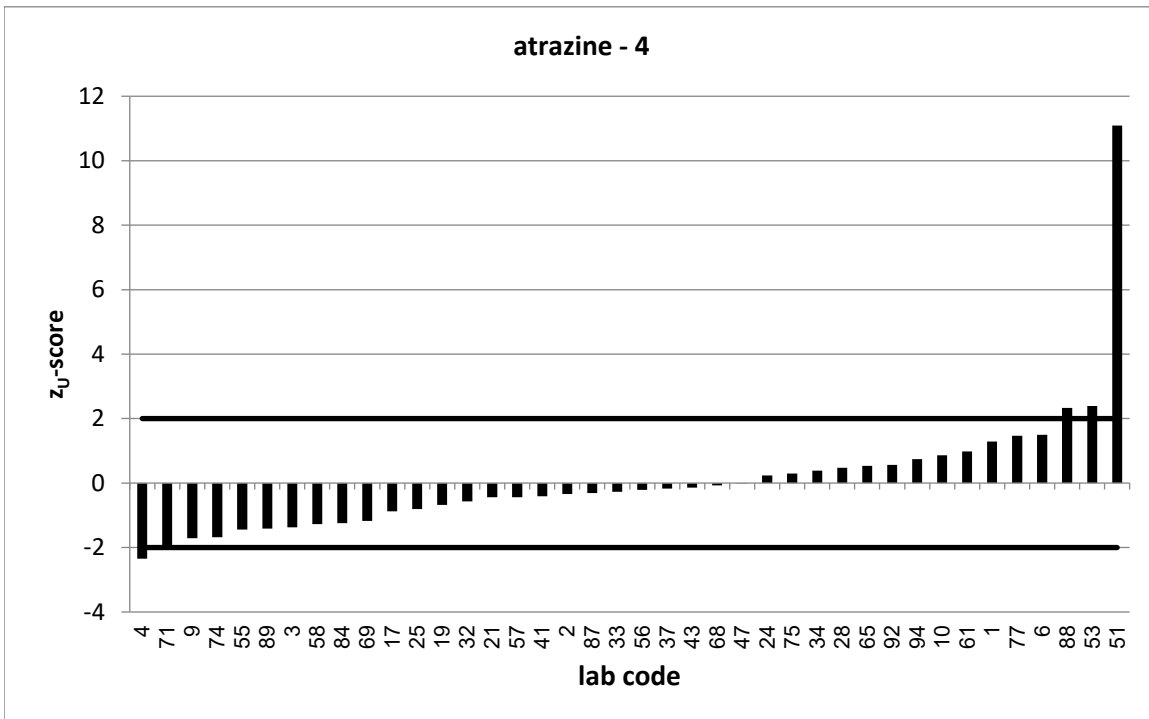
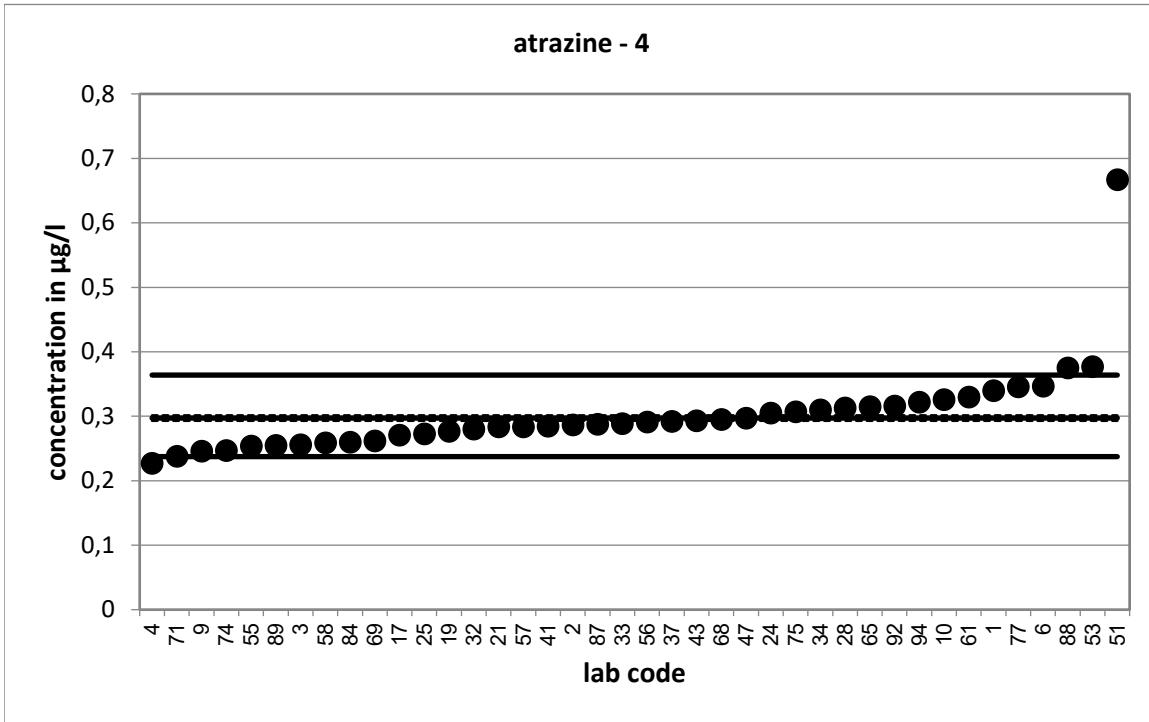


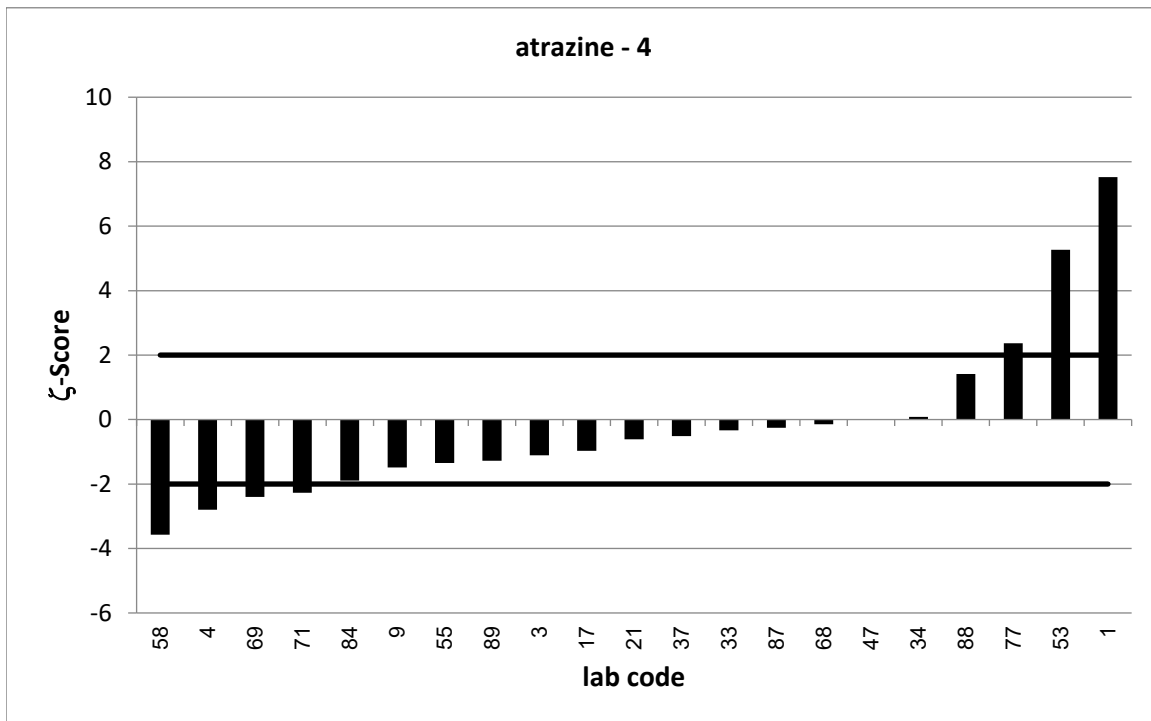
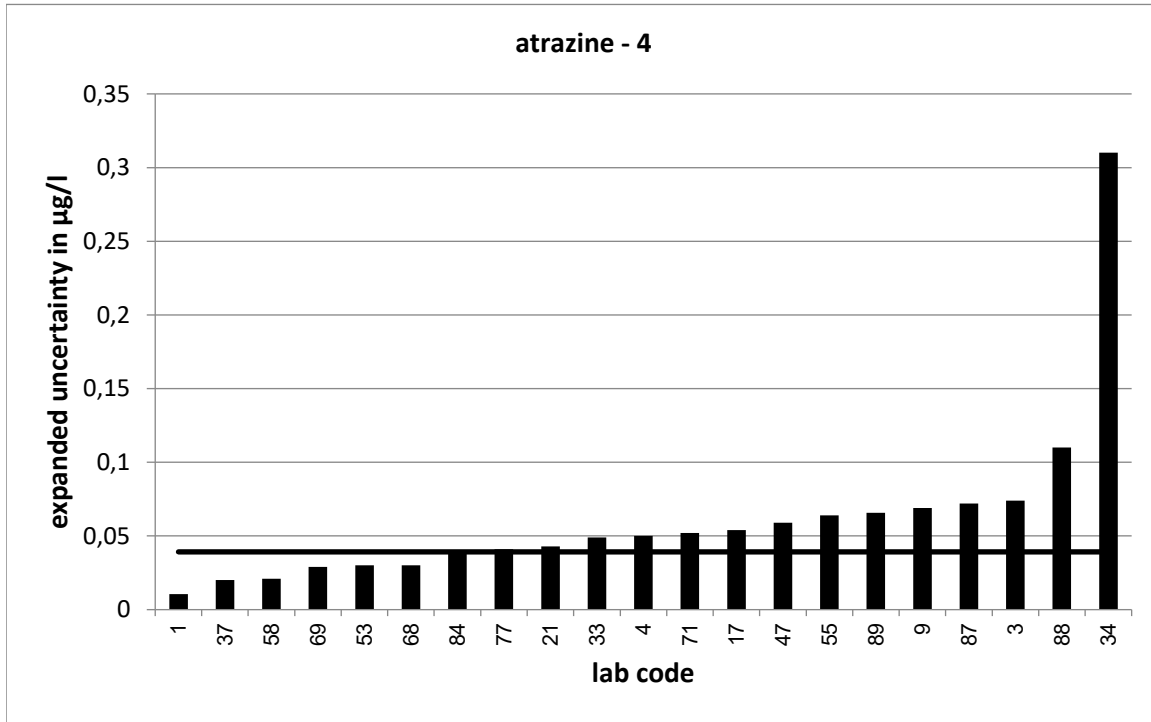


PT 7/20- TW O1		atrazine - 4			
assigned value [$\mu\text{g/l}$]*		0,2972 \pm 0,0041			
upper tolerance limit [$\mu\text{g/l}$]		0,3639			
lower tolerance limit [$\mu\text{g/l}$]		0,2374			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,34	0,011	7,5	1,3	s
2	0,287			-0,3	s
3	0,256	0,074	-1,1	-1,4	s
4	0,227	0,05	-2,8	-2,3	q
6	0,347			1,5	s
9	0,246	0,069	-1,5	-1,7	s
10	0,326			0,9	s
17	0,271	0,054	-1,0	-0,9	s
19	0,277			-0,7	s
21	0,284	0,043	-0,6	-0,4	s
24	0,305			0,2	s
25	0,273			-0,8	s
28	0,313			0,5	s
32	0,2803			-0,6	s
33	0,289	0,049	-0,3	-0,3	s
34	0,3101	0,31	0,1	0,4	s
37	0,292	0,02	-0,5	-0,2	s
41	0,285			-0,4	s
43	0,293			-0,1	s
47	0,297	0,059	0,0	0,0	s
51	0,667			11,1	u
53	0,377	0,03	5,3	2,4	q
55	0,254	0,064	-1,3	-1,4	s
56	0,291			-0,2	s
57	0,284			-0,4	s
58	0,259	0,021	-3,6	-1,3	s
61	0,33			1,0	s
65	0,315			0,5	s
68	0,295	0,03	-0,1	-0,1	s
69	0,262	0,029	-2,4	-1,2	s
71	0,238	0,052	-2,3	-2,0	s
74	0,247			-1,7	s
75	0,307			0,3	s
77	0,346	0,041	2,4	1,5	s
84	0,26	0,039	-1,9	-1,2	s
87	0,288	0,072	-0,3	-0,3	s
88	0,375	0,11	1,4	2,3	q
89	0,255	0,066	-1,3	-1,4	s
92	0,316			0,6	s
94	0,322			0,7	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

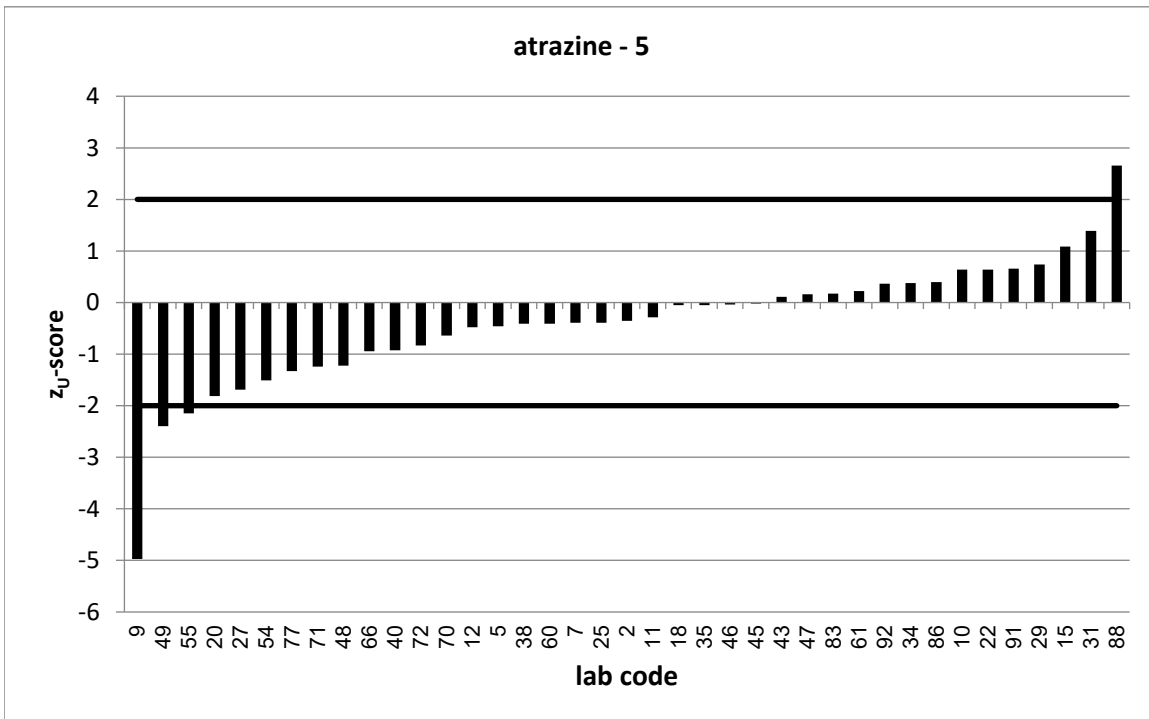
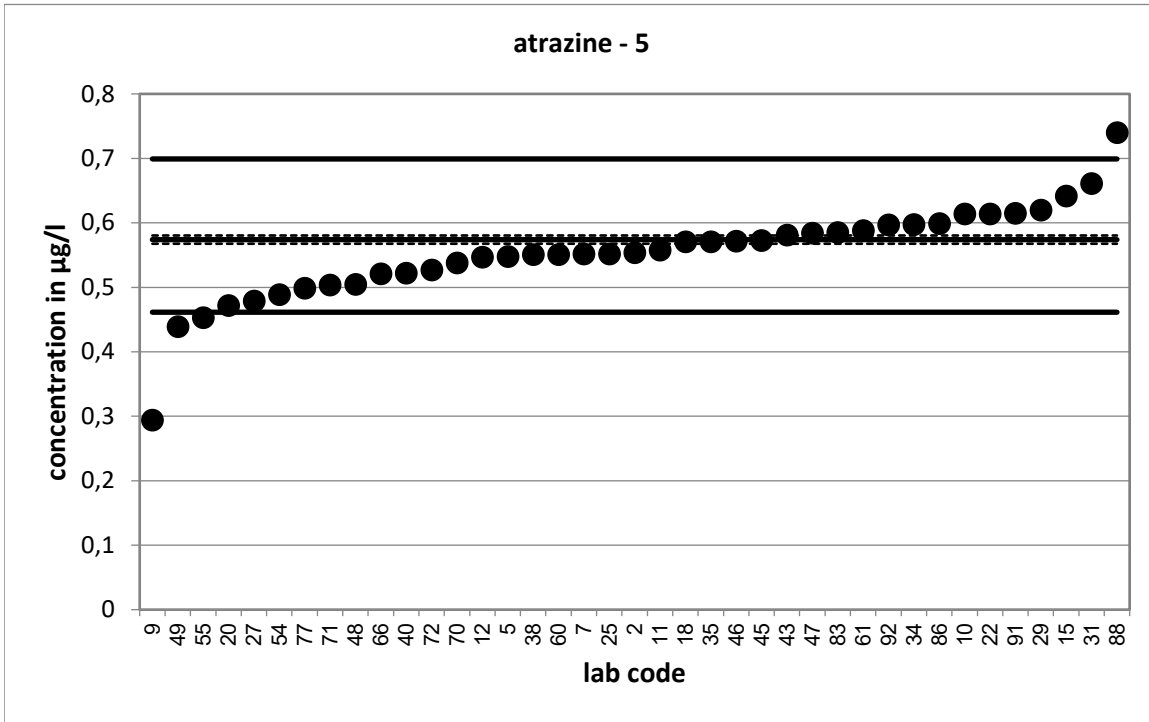


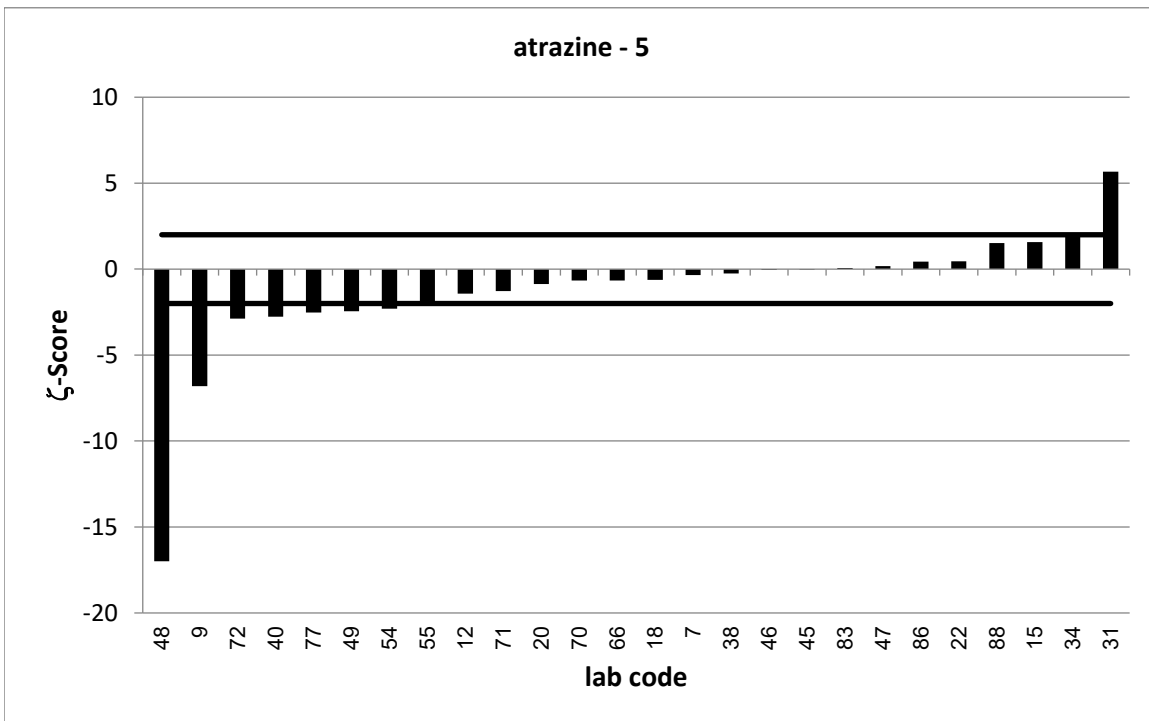
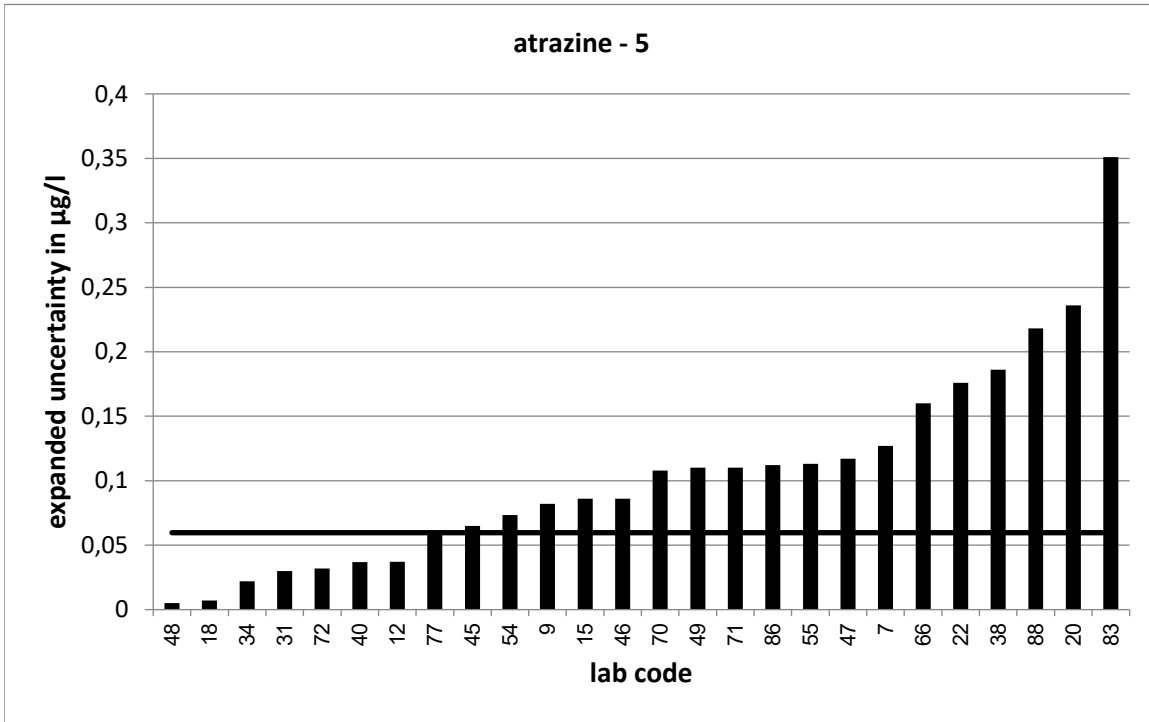


PT 7/20- TW O1		atrazine - 5			
assigned value [$\mu\text{g/l}$]*		0,574 \pm 0,0064			
upper tolerance limit [$\mu\text{g/l}$]		0,6991			
lower tolerance limit [$\mu\text{g/l}$]		0,4614			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,554			-0,4	s
5	0,548			-0,5	s
7	0,552	0,127	-0,3	-0,4	s
9	0,294	0,082	-6,8	-5,0	u
10	0,614			0,6	s
11	0,558			-0,3	s
12	0,547	0,037	-1,4	-0,5	s
15	0,642	0,086	1,6	1,1	s
18	0,571	0,007	-0,6	-0,1	s
20	0,472	0,236	-0,9	-1,8	s
22	0,614	0,176	0,5	0,6	s
25	0,552			-0,4	s
27	0,479			-1,7	s
29	0,62			0,7	s
31	0,661	0,03	5,7	1,4	s
34	0,5975	0,022	2,0	0,4	s
35	0,571			-0,1	s
38	0,551	0,186	-0,2	-0,4	s
40	0,522	0,037	-2,8	-0,9	s
43	0,581			0,1	s
45	0,573	0,065	0,0	0,0	s
46	0,572	0,086	0,0	0,0	s
47	0,584	0,117	0,2	0,2	s
48	0,505	0,005	-17,0	-1,2	s
49	0,439	0,11	-2,5	-2,4	q
54	0,489	0,073	-2,3	-1,5	s
55	0,453	0,113	-2,1	-2,1	q
60	0,551			-0,4	s
61	0,588			0,2	s
66	0,521	0,16	-0,7	-0,9	s
70	0,538	0,108	-0,7	-0,6	s
71	0,504	0,11	-1,3	-1,2	s
72	0,527	0,032	-2,9	-0,8	s
77	0,499	0,059	-2,5	-1,3	s
83	0,585	0,351	0,1	0,2	s
86	0,599	0,112	0,4	0,4	s
88	0,74	0,218	1,5	2,7	q
91	0,615			0,7	s
92	0,597			0,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

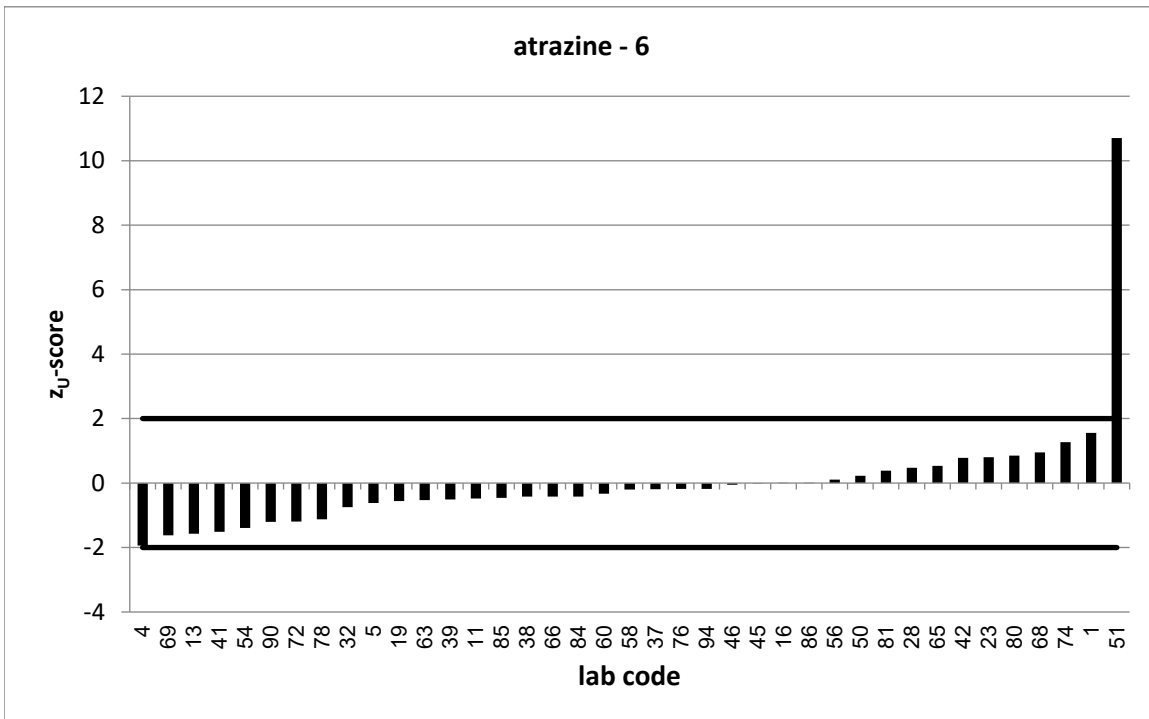
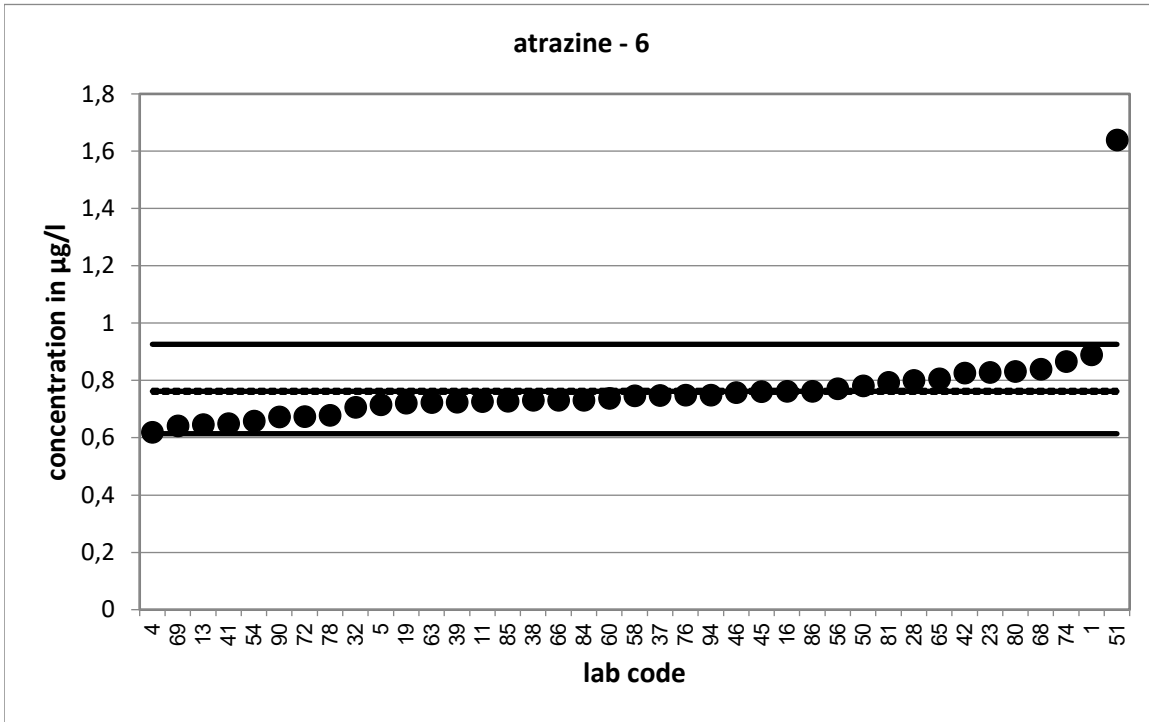


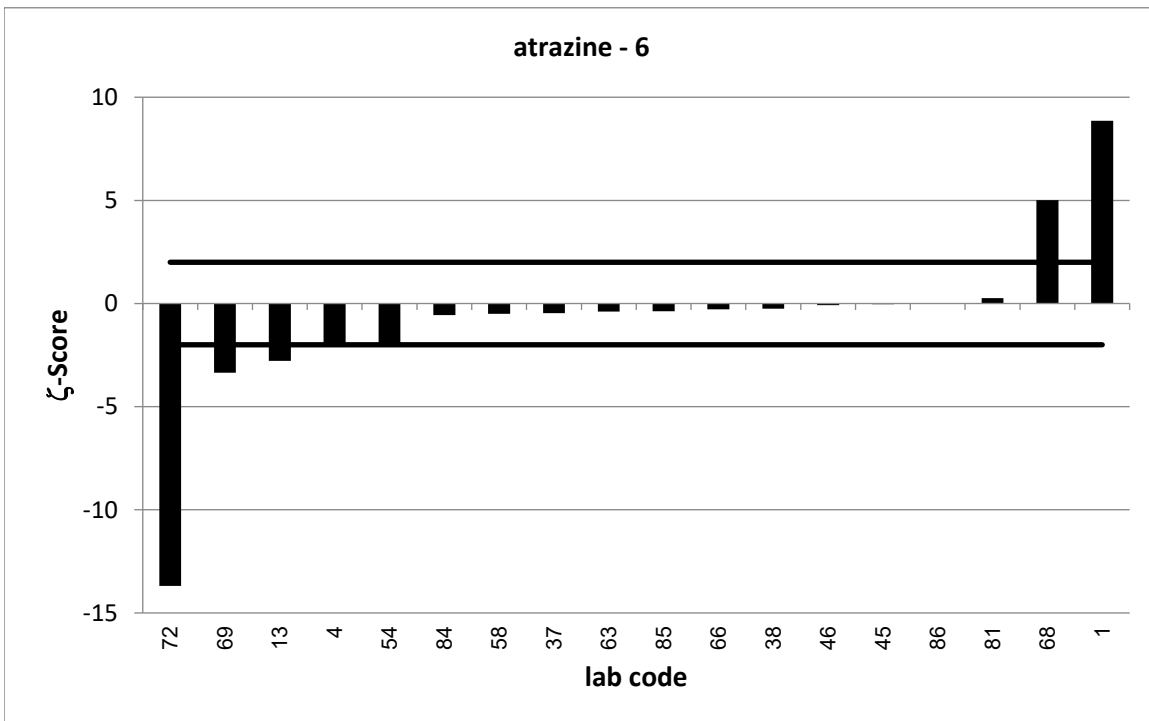
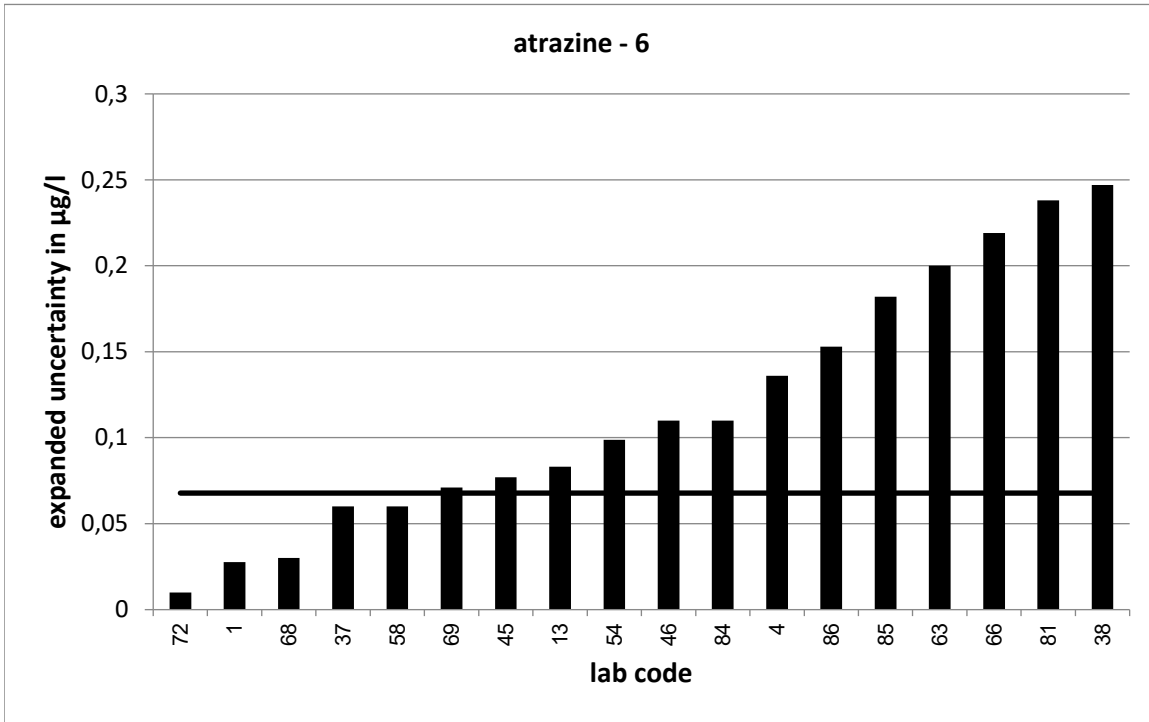


PT 7/20- TW O1		atrazine - 6			
assigned value [$\mu\text{g/l}$]*		0,7621 \pm 0,0081			
upper tolerance limit [$\mu\text{g/l}$]		0,9262			
lower tolerance limit [$\mu\text{g/l}$]		0,6142			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,89	0,028	8,9	1,6	s
4	0,619	0,136	-2,1	-1,9	s
5	0,716			-0,6	s
11	0,727			-0,5	s
13	0,646	0,083	-2,8	-1,6	s
16	0,7628			0,0	s
19	0,721			-0,6	s
23	0,828			0,8	s
28	0,801			0,5	s
32	0,7069			-0,7	s
37	0,748	0,06	-0,5	-0,2	s
38	0,731	0,247	-0,3	-0,4	s
39	0,7246			-0,5	s
41	0,65			-1,5	s
42	0,826			0,8	s
45	0,761	0,077	0,0	0,0	s
46	0,758	0,11	-0,1	-0,1	s
50	0,781			0,2	s
51	1,64			10,7	u
54	0,659	0,099	-2,1	-1,4	s
56	0,771			0,1	s
58	0,747	0,06	-0,5	-0,2	s
60	0,738			-0,3	s
63	0,723	0,2	-0,4	-0,5	s
65	0,806			0,5	s
66	0,731	0,219	-0,3	-0,4	s
68	0,84	0,03	5,0	0,9	s
69	0,642	0,071	-3,4	-1,6	s
72	0,674	0,01	-13,7	-1,2	s
74	0,866			1,3	s
76	0,749			-0,2	s
78	0,679			-1,1	s
80	0,832			0,9	s
81	0,794	0,238	0,3	0,4	s
84	0,731	0,11	-0,6	-0,4	s
85	0,728	0,182	-0,4	-0,5	s
86	0,763	0,153	0,0	0,0	s
90	0,673			-1,2	s
94	0,749			-0,2	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

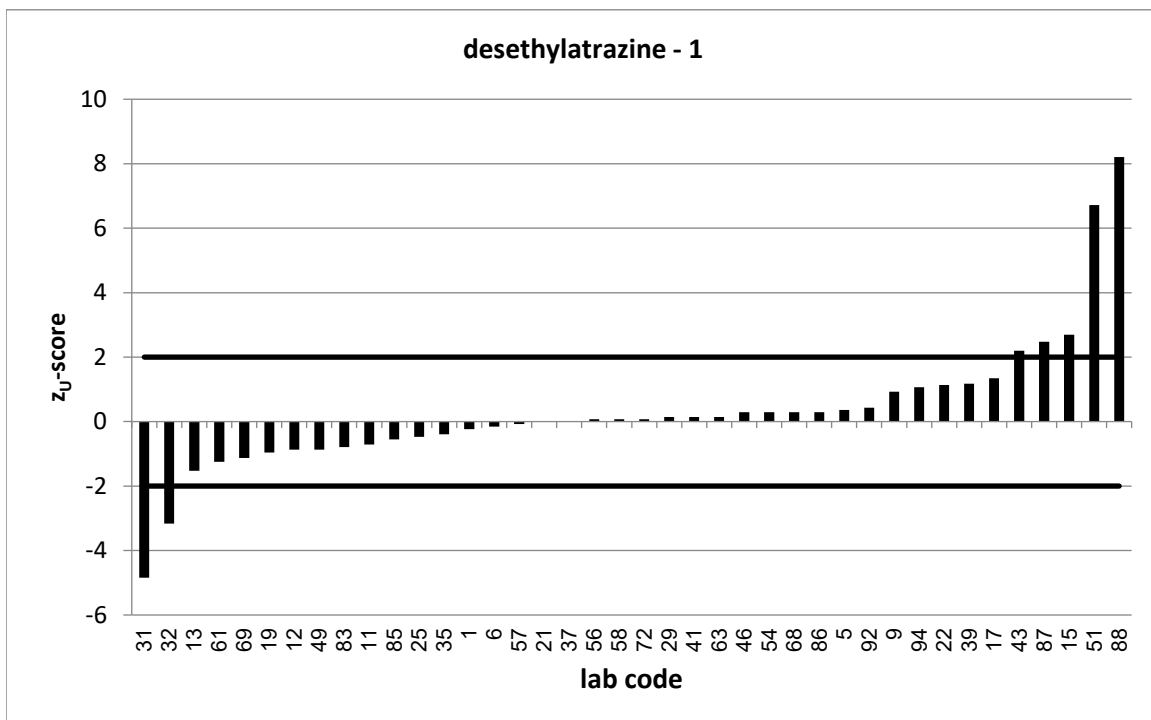
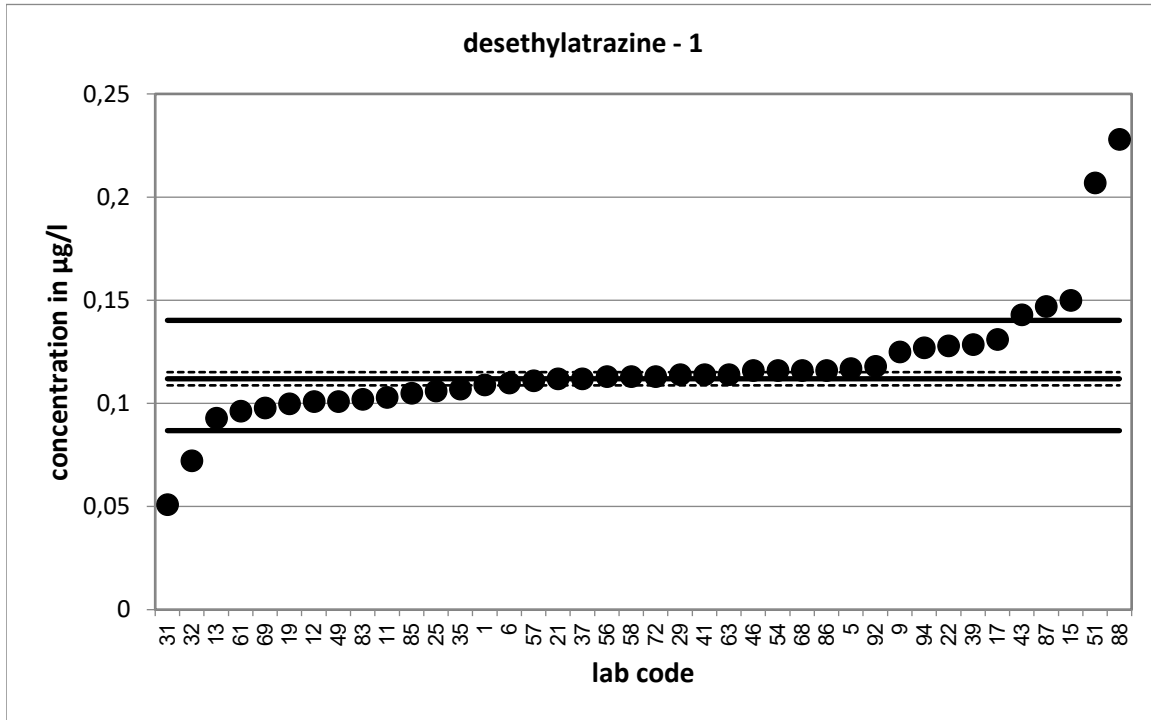


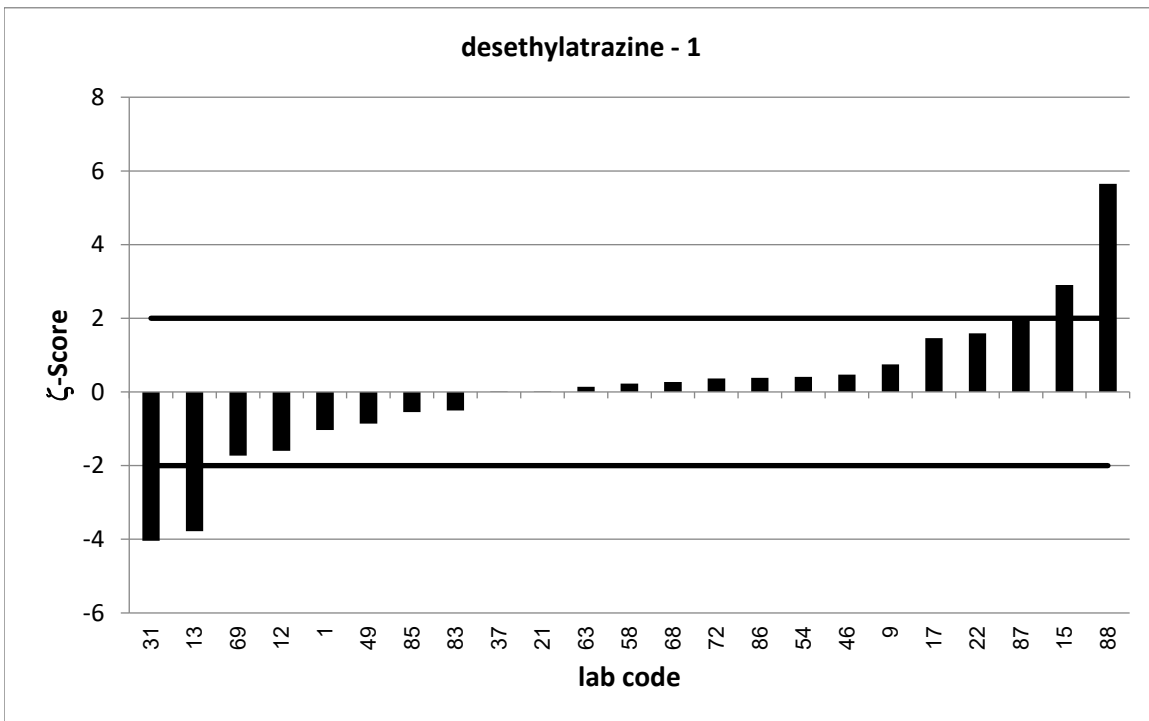
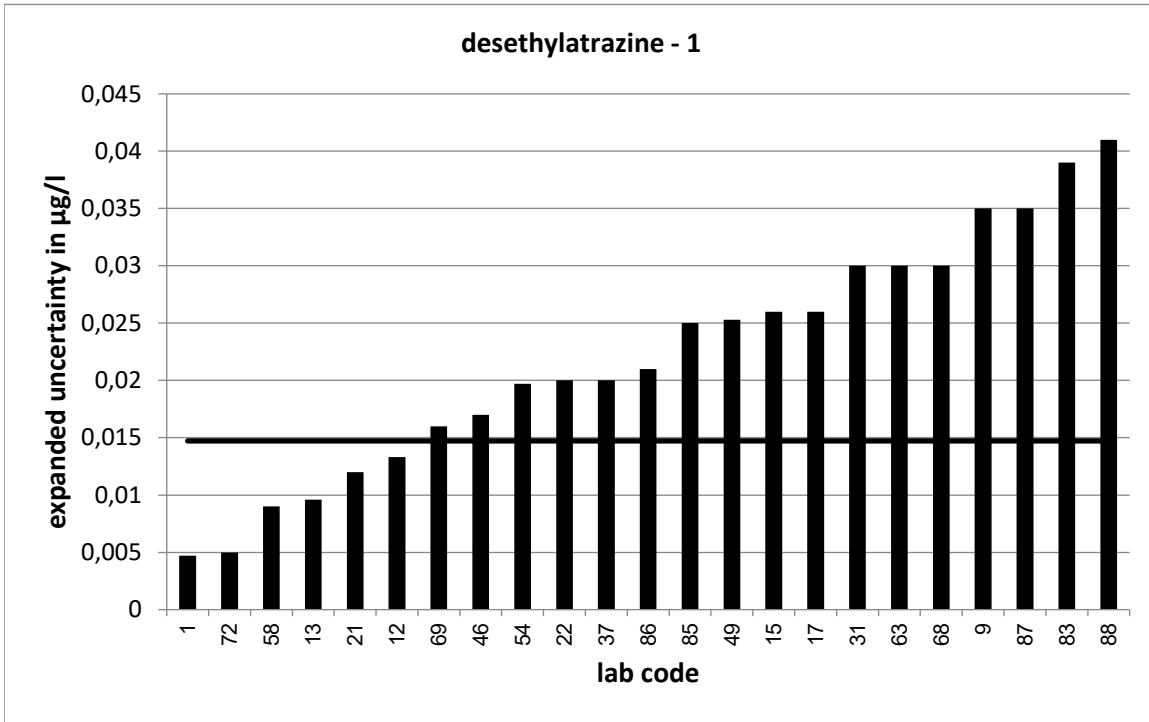


PT 7/20- TW O1		desethylatrazine - 1			
assigned value [$\mu\text{g/l}$]*		0,1119 \pm 0,0032			
upper tolerance limit [$\mu\text{g/l}$]		0,1402			
lower tolerance limit [$\mu\text{g/l}$]		0,08678			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,109	0,005	-1,0	-0,2	s
5	0,117			0,4	s
6	0,11			-0,2	s
9	0,125	0,035	0,7	0,9	s
11	0,103			-0,7	s
12	0,101	0,013	-1,6	-0,9	s
13	0,0928	0,01	-3,8	-1,5	s
15	0,15	0,026	2,9	2,7	q
17	0,131	0,026	1,5	1,3	s
19	0,0999			-1,0	s
21	0,112	0,012	0,0	0,0	s
22	0,128	0,02	1,6	1,1	s
25	0,106			-0,5	s
29	0,114			0,1	s
31	0,051	0,03	-4,0	-4,8	u
32	0,0722			-3,2	u
35	0,107			-0,4	s
37	0,112	0,02	0,0	0,0	s
39	0,1286			1,2	s
41	0,114			0,1	s
43	0,143			2,2	q
46	0,116	0,017	0,5	0,3	s
49	0,101	0,025	-0,9	-0,9	s
51	0,207			6,7	u
54	0,116	0,02	0,4	0,3	s
56	0,113			0,1	s
57	0,111			-0,1	s
58	0,113	0,009	0,2	0,1	s
61	0,0963			-1,2	s
63	0,114	0,03	0,1	0,1	s
68	0,116	0,03	0,3	0,3	s
69	0,0978	0,016	-1,7	-1,1	s
72	0,113	0,005	0,4	0,1	s
83	0,102	0,039	-0,5	-0,8	s
85	0,105	0,025	-0,5	-0,6	s
86	0,116	0,021	0,4	0,3	s
87	0,147	0,035	2,0	2,5	q
88	0,228	0,041	5,6	8,2	u
92	0,118			0,4	s
94	0,127			1,1	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

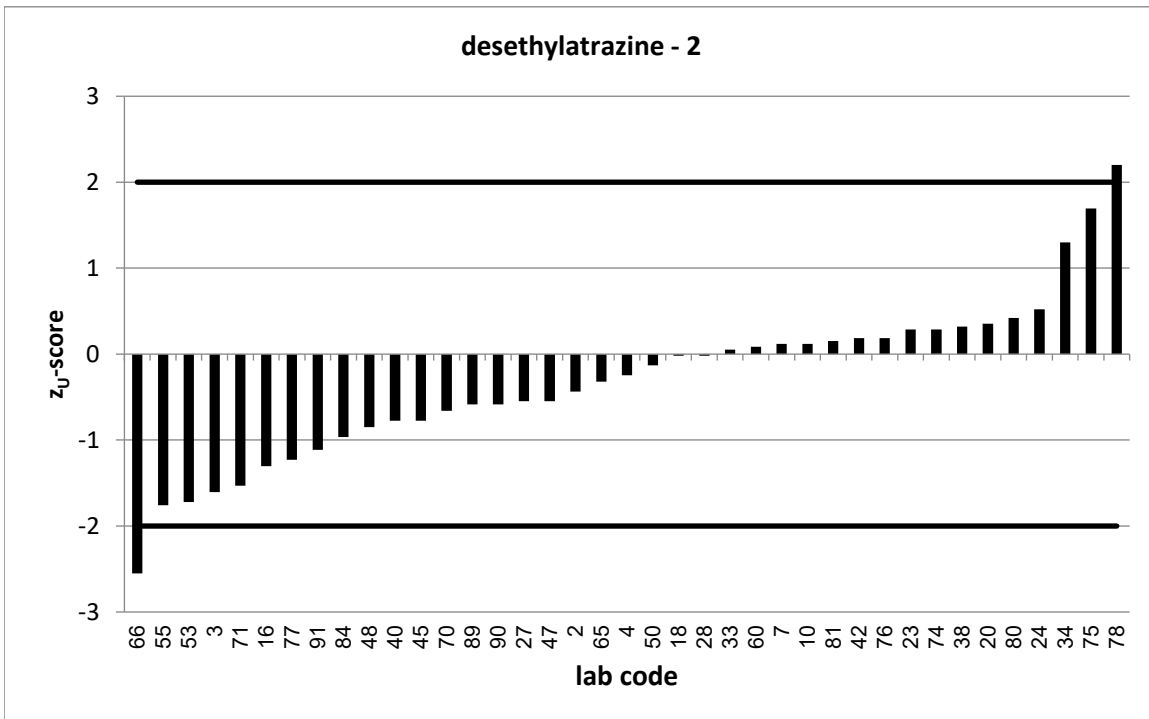
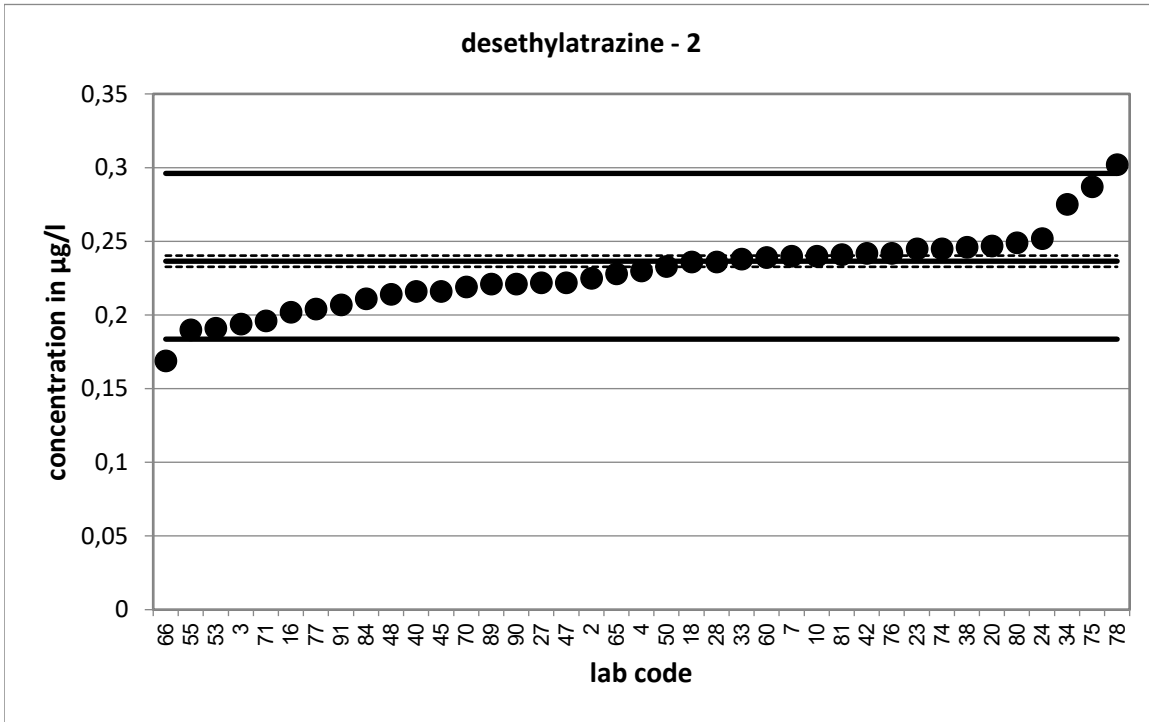


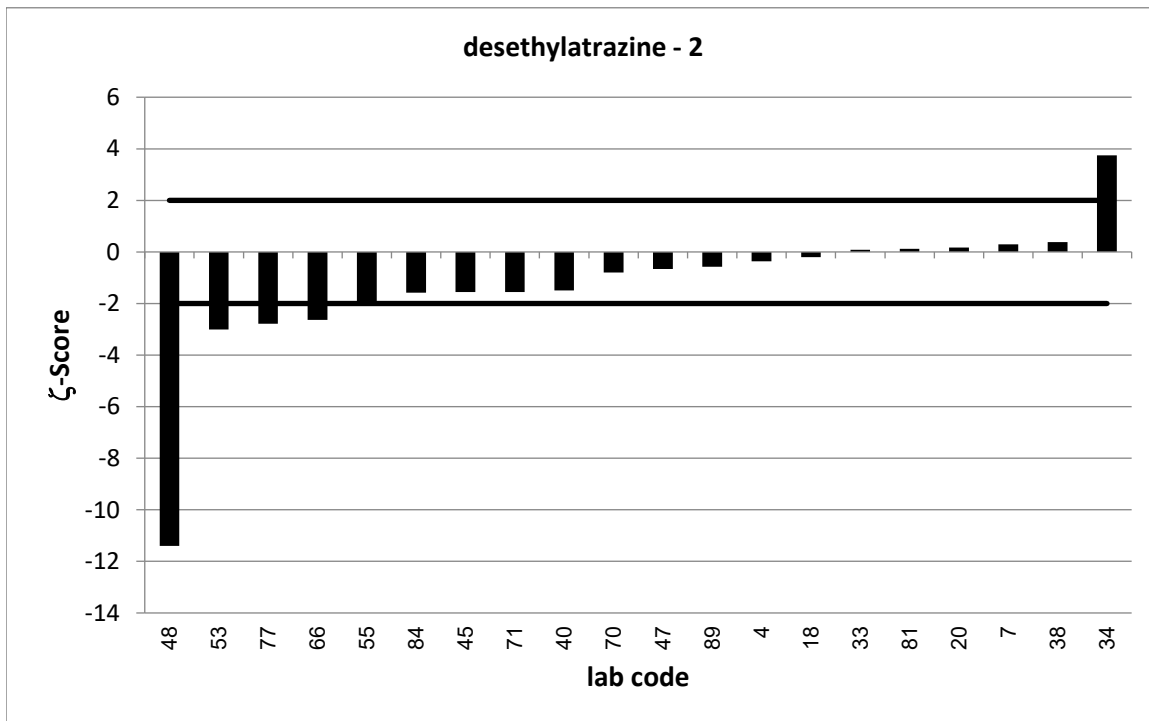
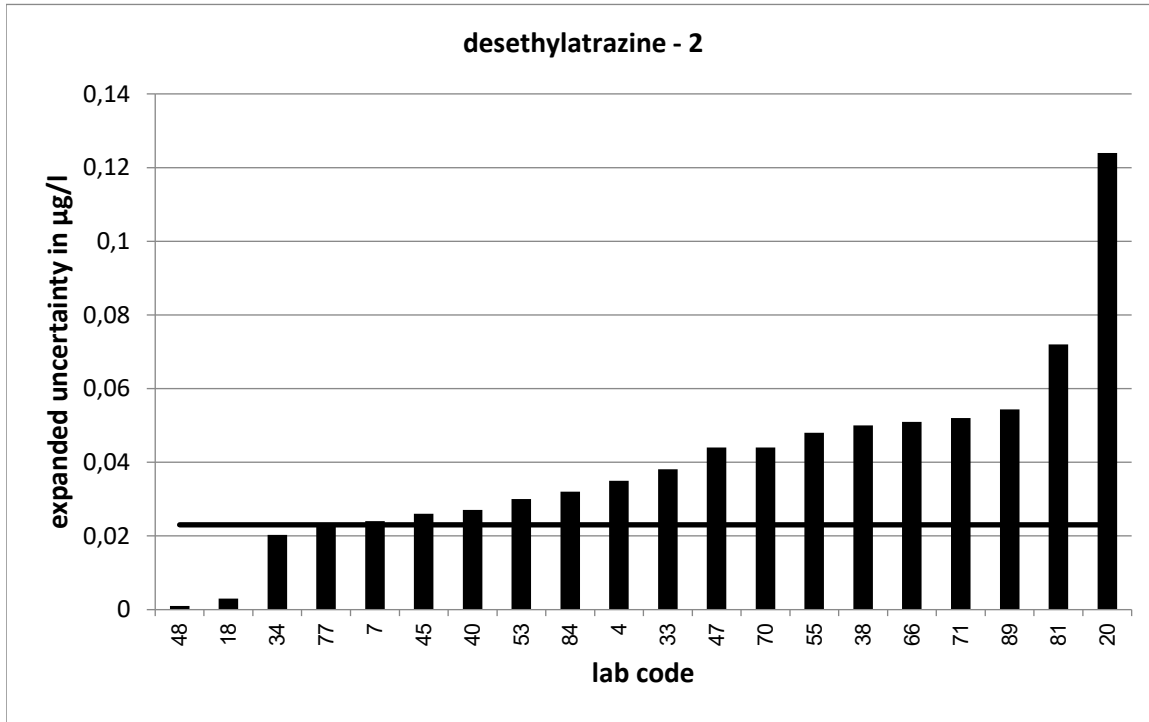


PT 7/20- TW O1		desethylatrazine - 2			
assigned value [$\mu\text{g/l}$]*		0,2365 \pm 0,0038			
upper tolerance limit [$\mu\text{g/l}$]		0,2961			
lower tolerance limit [$\mu\text{g/l}$]		0,1836			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,225			-0,4	s
3	0,194			-1,6	s
4	0,23	0,035	-0,4	-0,2	s
7	0,24	0,024	0,3	0,1	s
10	0,24			0,1	s
16	0,202			-1,3	s
18	0,236	0,003	-0,2	0,0	s
20	0,247	0,124	0,2	0,4	s
23	0,245			0,3	s
24	0,252			0,5	s
27	0,222			-0,5	s
28	0,236			0,0	s
33	0,238	0,038	0,1	0,1	s
34	0,2752	0,02	3,7	1,3	s
38	0,246	0,05	0,4	0,3	s
40	0,216	0,027	-1,5	-0,8	s
42	0,242			0,2	s
45	0,216	0,026	-1,6	-0,8	s
47	0,222	0,044	-0,7	-0,5	s
48	0,214	0,001	-11,4	-0,9	s
50	0,233			-0,1	s
53	0,191	0,03	-3,0	-1,7	s
55	0,19	0,048	-1,9	-1,8	s
60	0,239			0,1	s
65	0,228			-0,3	s
66	0,169	0,051	-2,6	-2,6	q
70	0,219	0,044	-0,8	-0,7	s
71	0,196	0,052	-1,6	-1,5	s
74	0,245			0,3	s
75	0,287			1,7	s
76	0,242			0,2	s
77	0,204	0,023	-2,8	-1,2	s
78	0,302			2,2	q
80	0,249			0,4	s
81	0,241	0,072	0,1	0,2	s
84	0,211	0,032	-1,6	-1,0	s
89	0,221	0,054	-0,6	-0,6	s
90	0,221			-0,6	s
91	0,207			-1,1	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

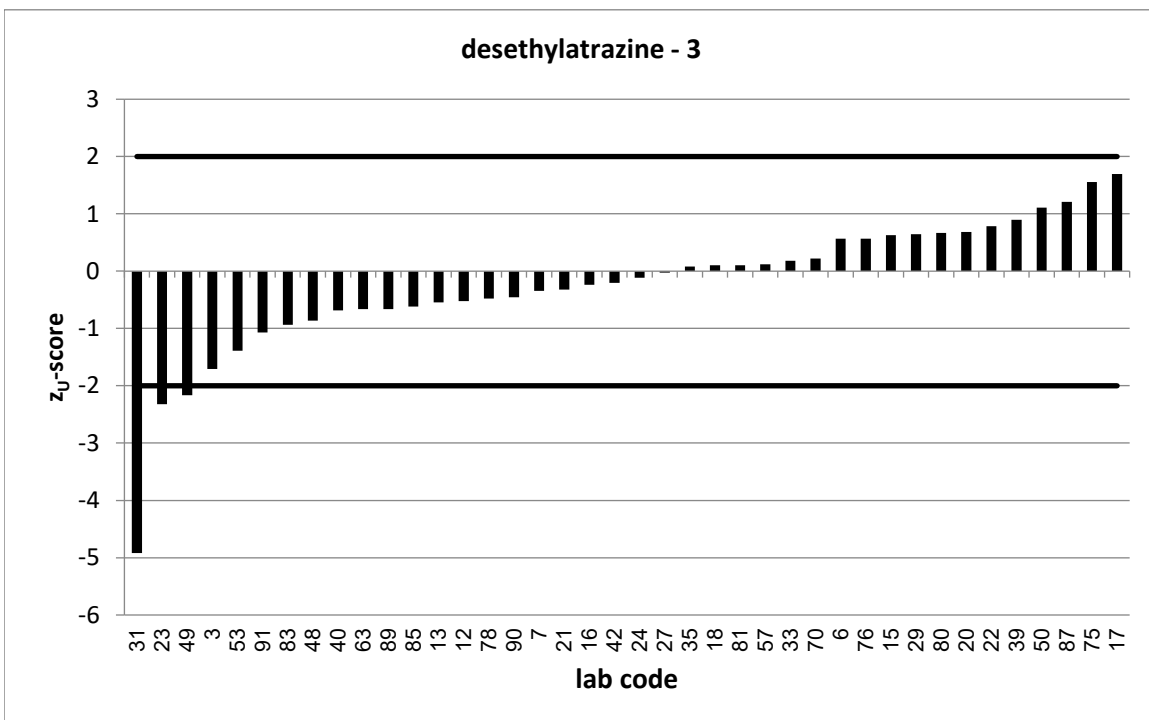
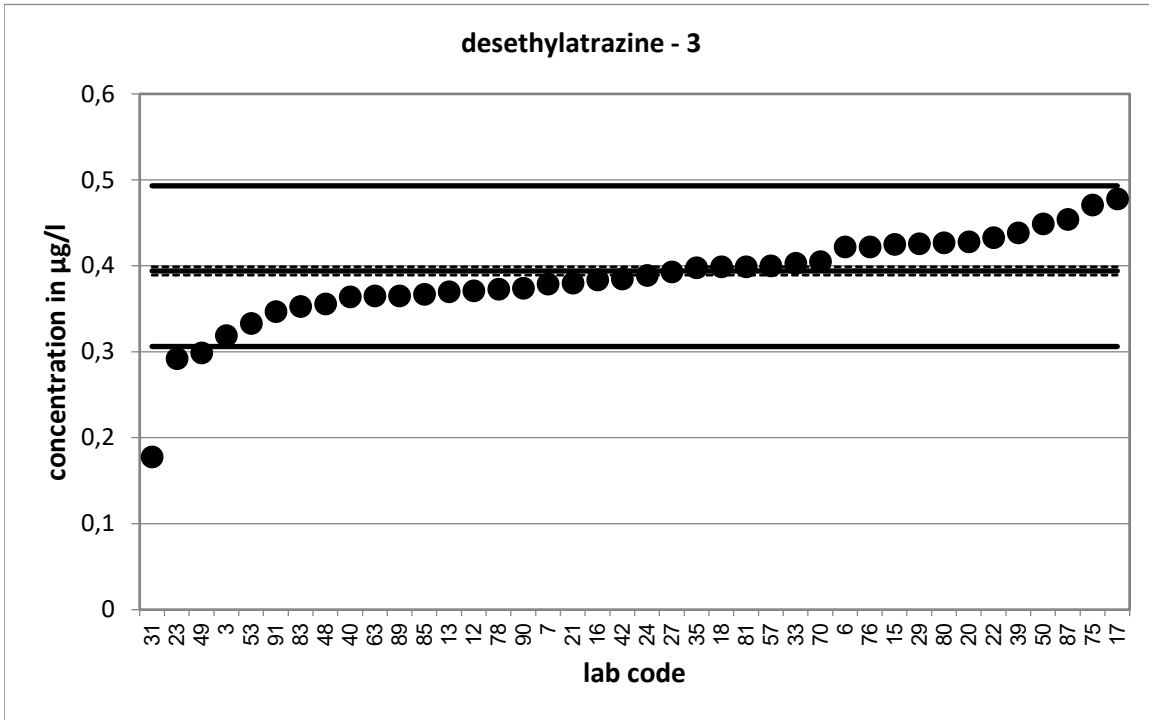


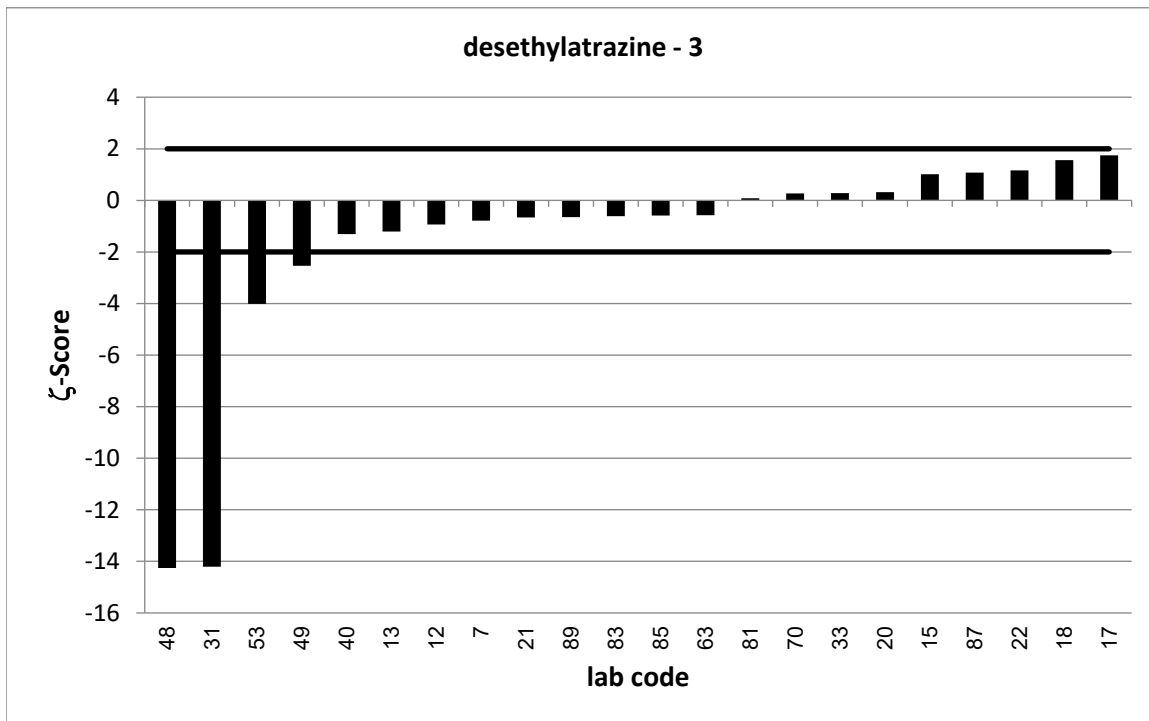
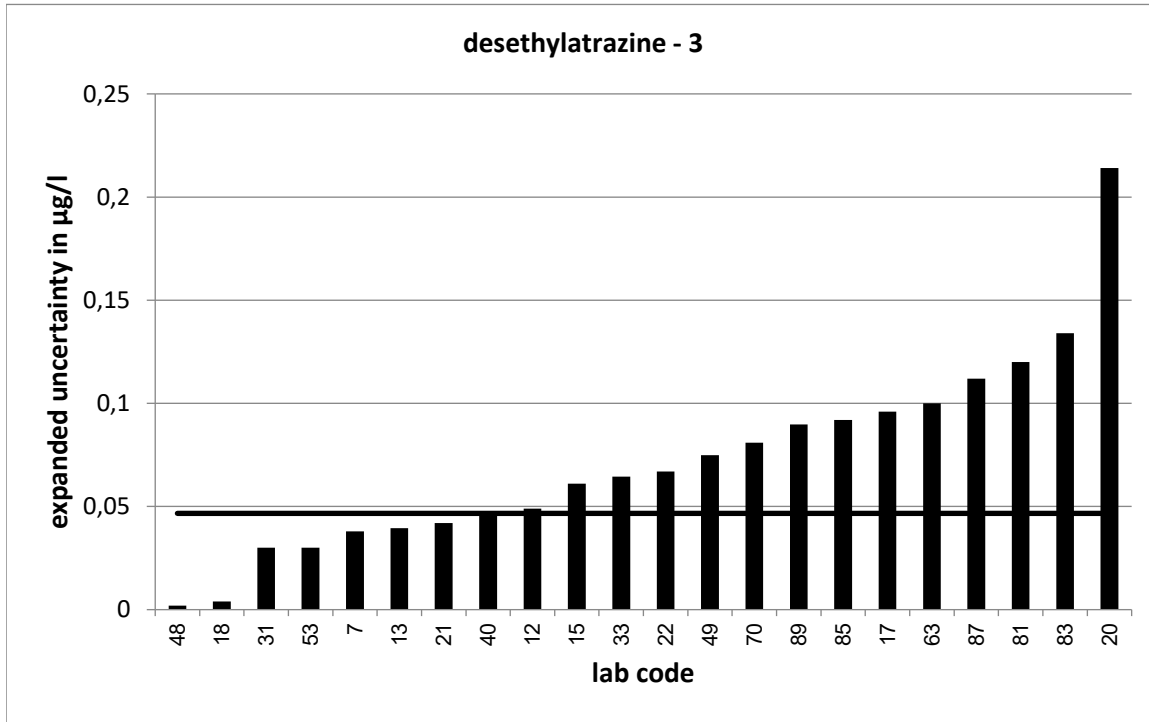


PT 7/20- TW O1		desethylatrazine - 3			
assigned value [$\mu\text{g/l}$]*		0,394 \pm 0,0049			
upper tolerance limit [$\mu\text{g/l}$]		0,4931			
lower tolerance limit [$\mu\text{g/l}$]		0,3062			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
3	0,319			-1,7	s
6	0,422			0,6	s
7	0,379	0,038	-0,8	-0,3	s
12	0,371	0,049	-0,9	-0,5	s
13	0,37	0,04	-1,2	-0,5	s
15	0,425	0,061	1,0	0,6	s
16	0,3837			-0,2	s
17	0,478	0,096	1,7	1,7	s
18	0,399	0,004	1,6	0,1	s
20	0,428	0,214	0,3	0,7	s
21	0,38	0,042	-0,7	-0,3	s
22	0,433	0,067	1,2	0,8	s
23	0,292			-2,3	q
24	0,389			-0,1	s
27	0,393			0,0	s
29	0,426			0,6	s
31	0,178	0,03	-14,2	-4,9	u
33	0,403	0,065	0,3	0,2	s
35	0,398			0,1	s
39	0,4385			0,9	s
40	0,364	0,046	-1,3	-0,7	s
42	0,385			-0,2	s
48	0,356	0,002	-14,3	-0,9	s
49	0,299	0,075	-2,5	-2,2	q
50	0,449			1,1	s
53	0,333	0,03	-4,0	-1,4	s
57	0,4			0,1	s
63	0,365	0,1	-0,6	-0,7	s
70	0,405	0,081	0,3	0,2	s
75	0,471			1,6	s
76	0,422			0,6	s
78	0,373			-0,5	s
80	0,427			0,7	s
81	0,399	0,12	0,1	0,1	s
83	0,353	0,134	-0,6	-0,9	s
85	0,367	0,092	-0,6	-0,6	s
87	0,454	0,112	1,1	1,2	s
89	0,365	0,09	-0,6	-0,7	s
90	0,374			-0,5	s
91	0,347			-1,1	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

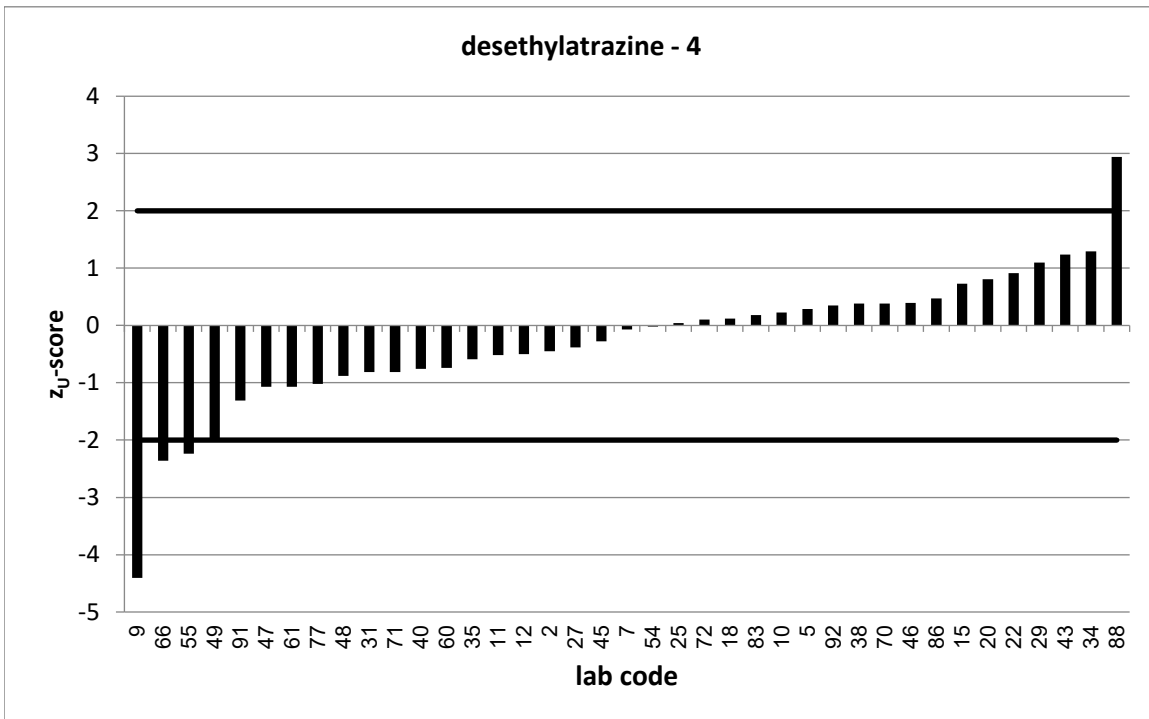
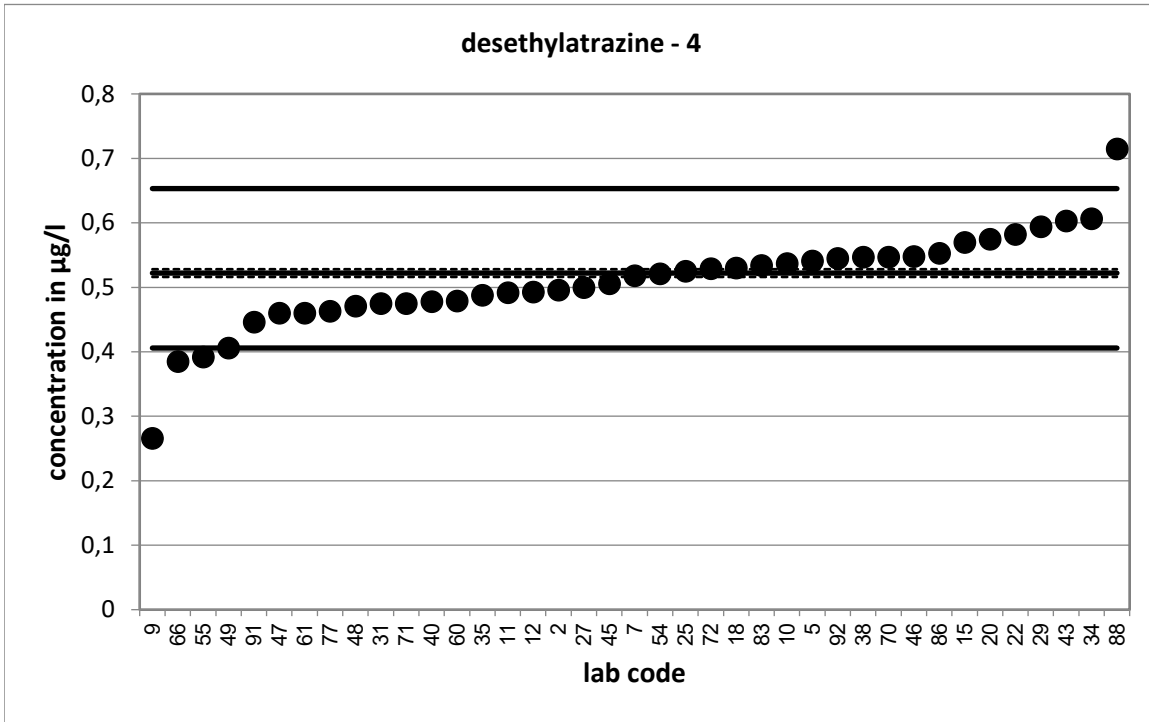


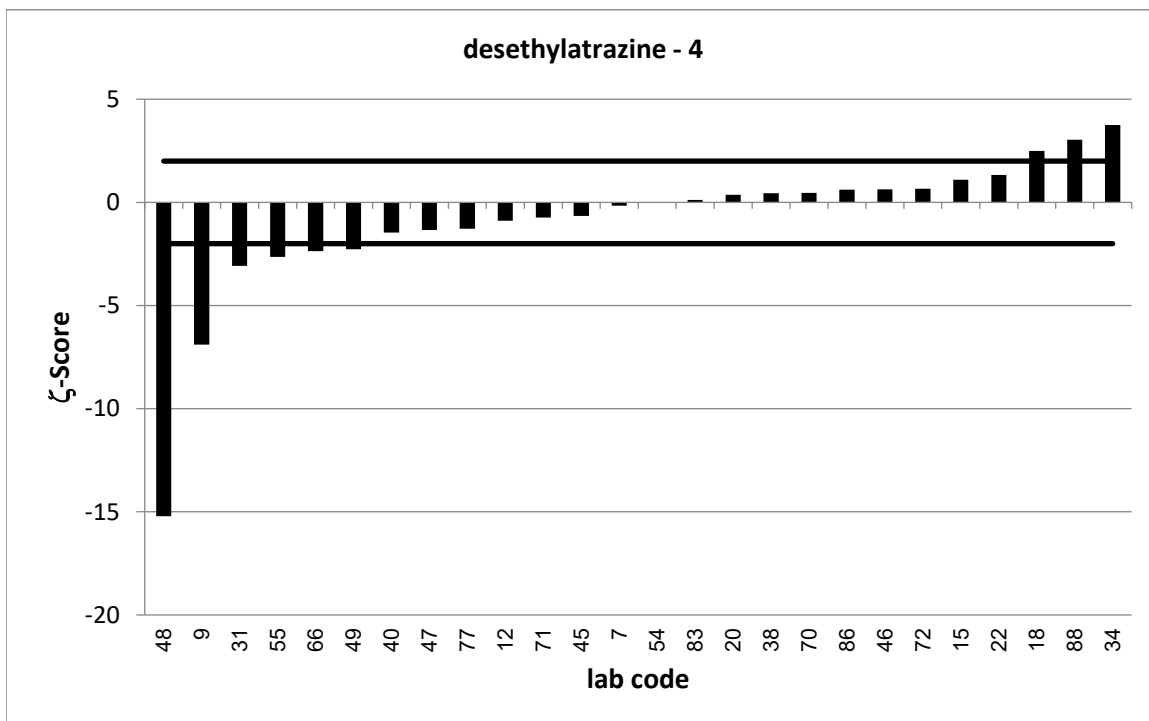
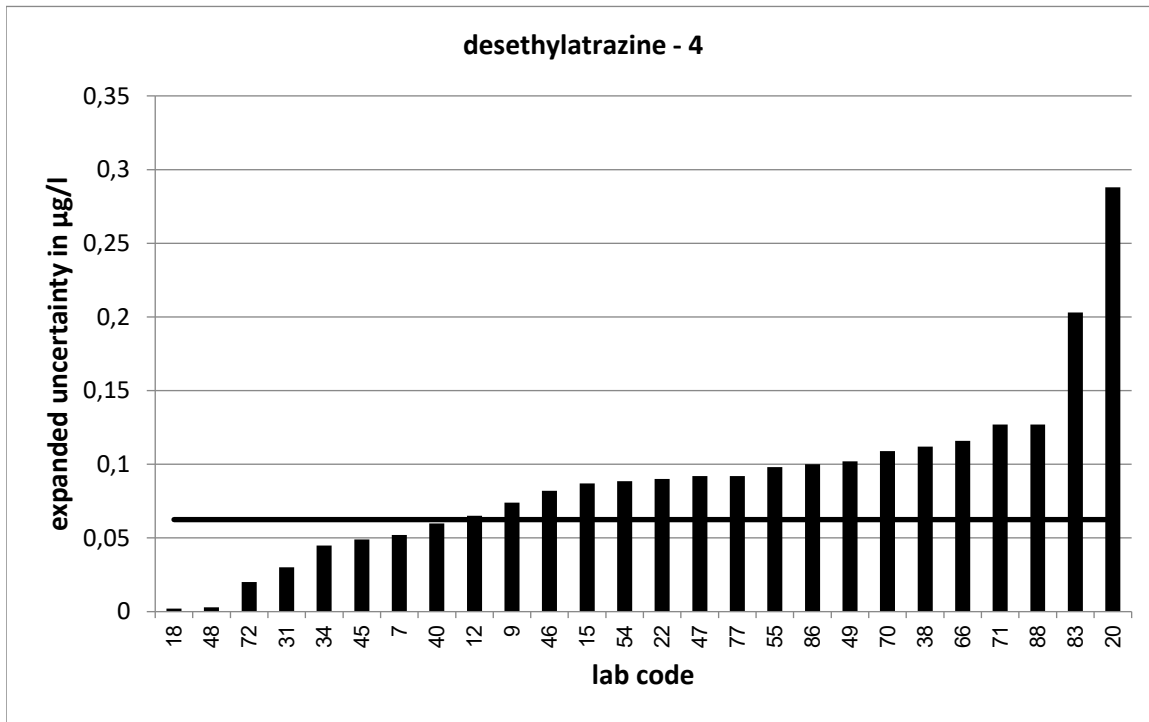


PT 7/20- TW O1		desethylatrazine - 4			
assigned value [$\mu\text{g/l}$]*		0,5221 \pm 0,006			
upper tolerance limit [$\mu\text{g/l}$]		0,6532			
lower tolerance limit [$\mu\text{g/l}$]		0,4059			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,496			-0,4	s
5	0,541			0,3	s
7	0,518	0,052	-0,2	-0,1	s
9	0,266	0,074	-6,9	-4,4	u
10	0,537			0,2	s
11	0,492			-0,5	s
12	0,493	0,065	-0,9	-0,5	s
15	0,57	0,087	1,1	0,7	s
18	0,53	0,002	2,5	0,1	s
20	0,575	0,288	0,4	0,8	s
22	0,582	0,09	1,3	0,9	s
25	0,525			0,0	s
27	0,5			-0,4	s
29	0,594			1,1	s
31	0,475	0,03	-3,1	-0,8	s
34	0,6067	0,045	3,7	1,3	s
35	0,488			-0,6	s
38	0,547	0,112	0,4	0,4	s
40	0,478	0,06	-1,5	-0,8	s
43	0,603			1,2	s
45	0,506	0,049	-0,7	-0,3	s
46	0,548	0,082	0,6	0,4	s
47	0,46	0,092	-1,3	-1,1	s
48	0,471	0,003	-15,2	-0,9	s
49	0,406	0,102	-2,3	-2,0	s
54	0,521	0,089	0,0	0,0	s
55	0,392	0,098	-2,7	-2,2	q
60	0,479			-0,7	s
61	0,46			-1,1	s
66	0,385	0,116	-2,4	-2,4	q
70	0,547	0,109	0,5	0,4	s
71	0,475	0,127	-0,7	-0,8	s
72	0,529	0,02	0,7	0,1	s
77	0,463	0,092	-1,3	-1,0	s
83	0,534	0,203	0,1	0,2	s
86	0,553	0,1	0,6	0,5	s
88	0,715	0,127	3,0	2,9	q
91	0,446			-1,3	s
92	0,545			0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

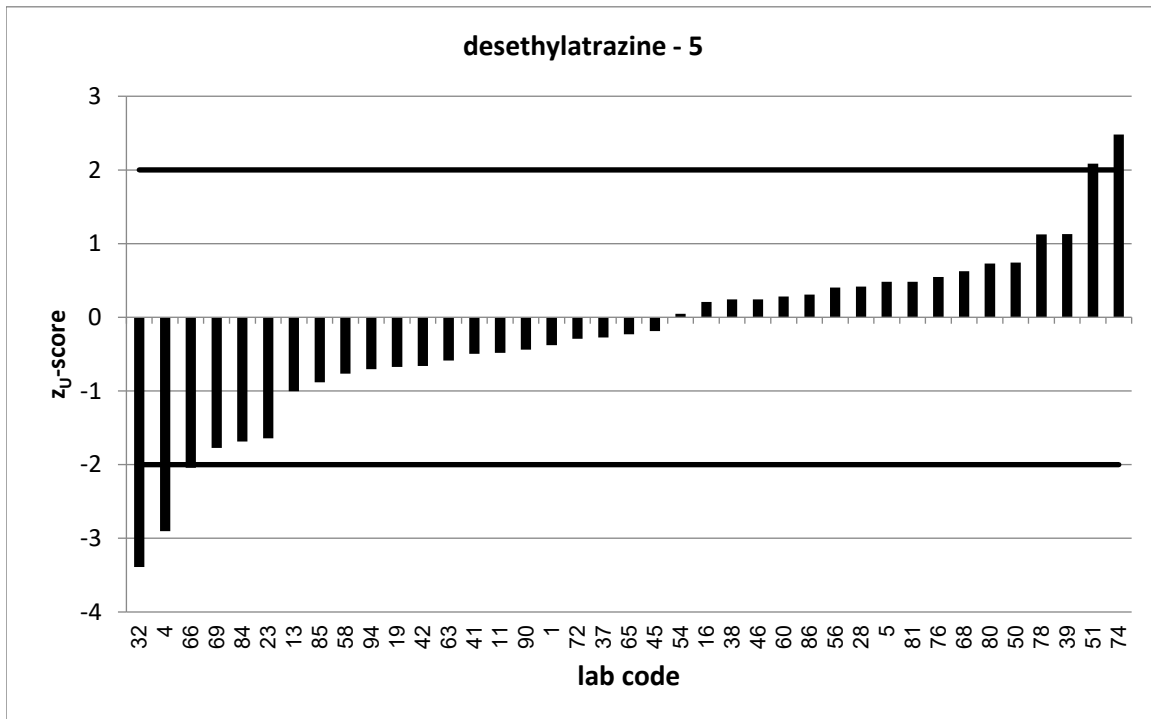
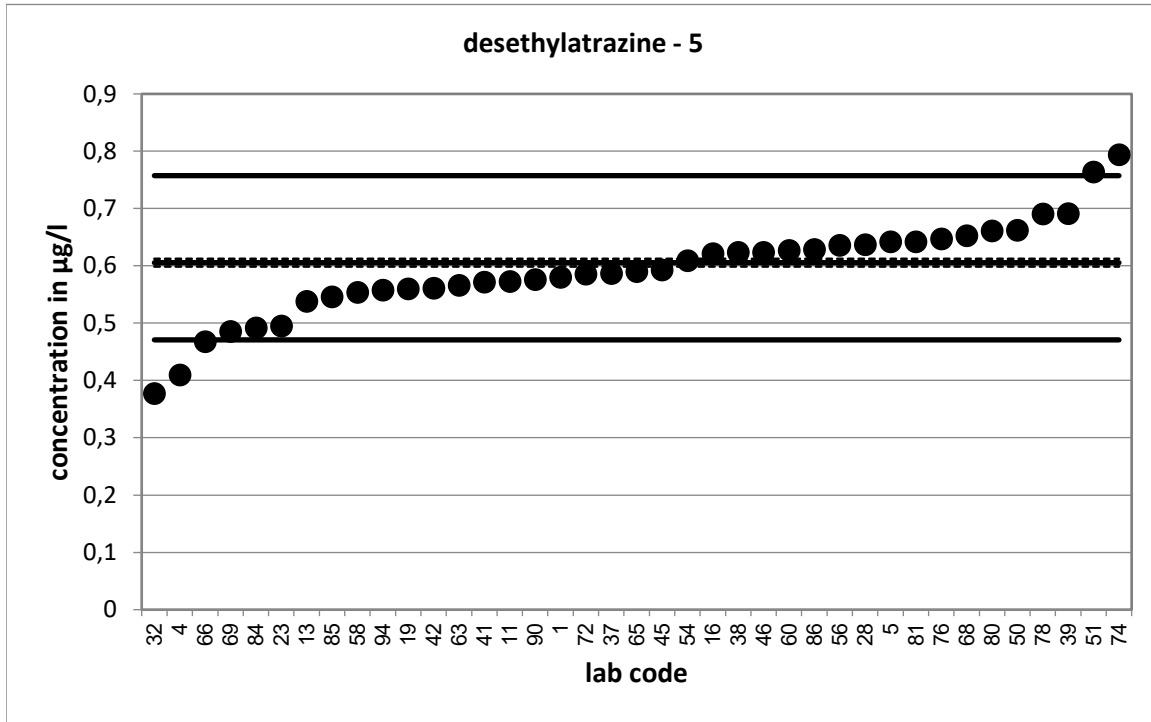


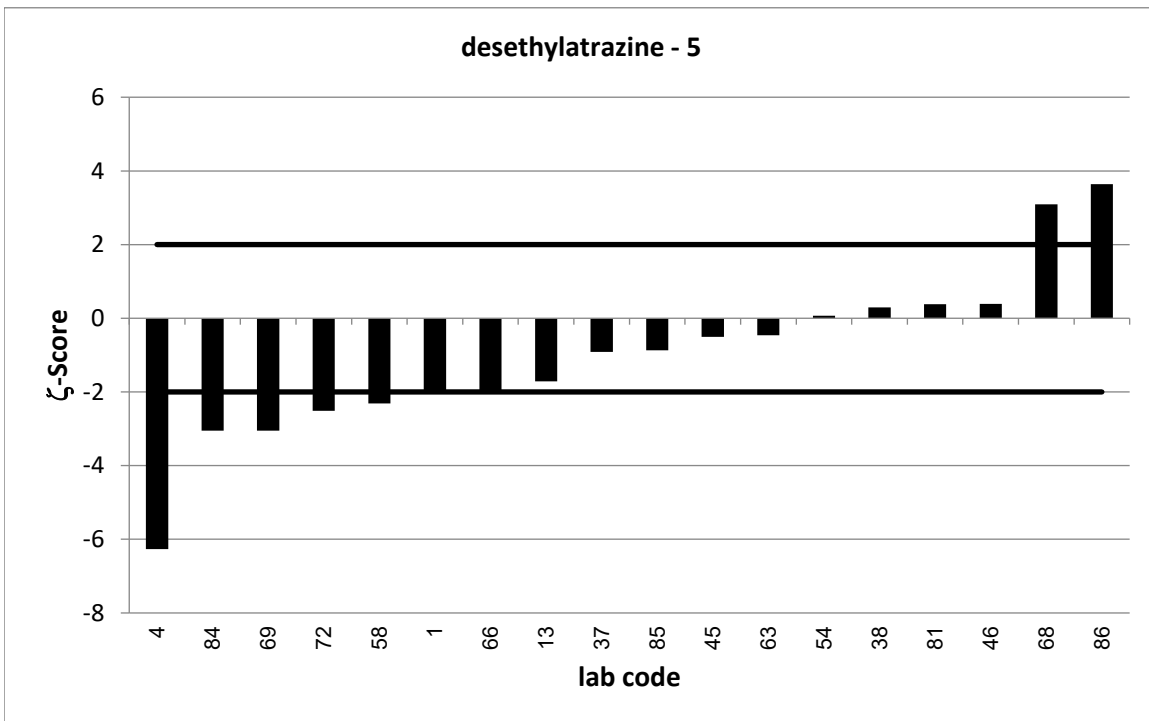
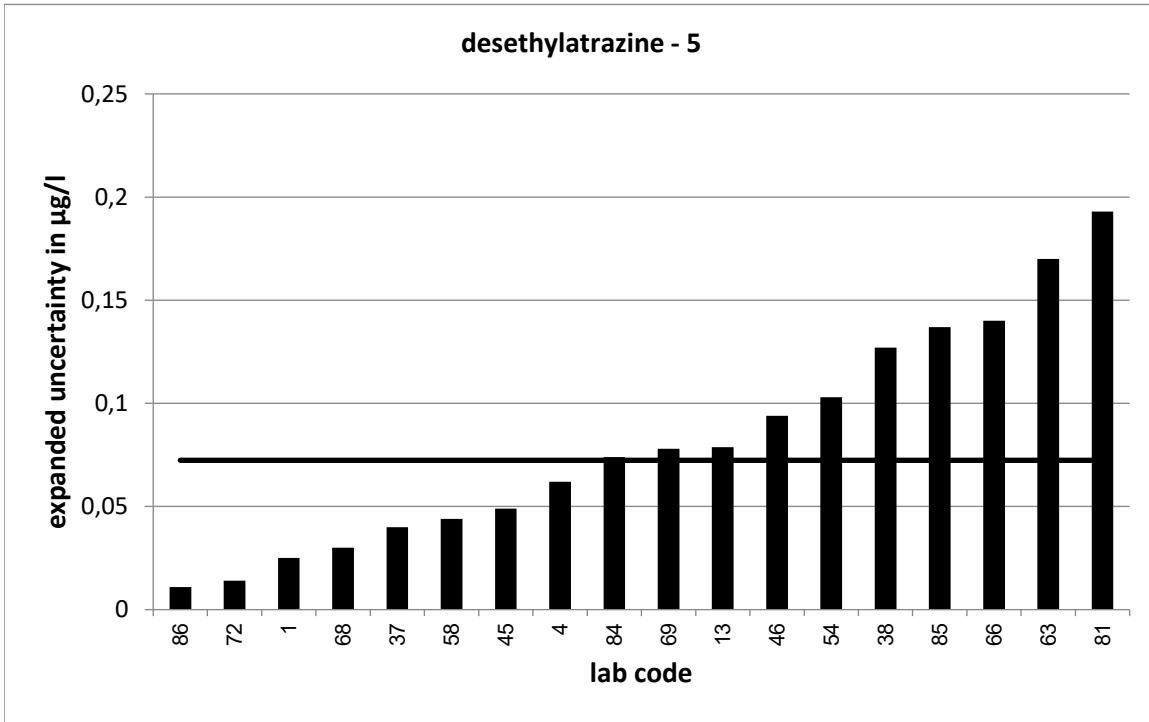


PT 7/20- TW O1		desethylatrazine - 5			
assigned value [$\mu\text{g/l}$]*		0,6055 \pm 0,0067			
upper tolerance limit [$\mu\text{g/l}$]		0,7574			
lower tolerance limit [$\mu\text{g/l}$]		0,4708			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,58	0,025	-2,0	-0,4	s
4	0,41	0,062	-6,3	-2,9	q
5	0,642			0,5	s
11	0,573			-0,5	s
13	0,538	0,079	-1,7	-1,0	s
16	0,6214			0,2	s
19	0,56			-0,7	s
23	0,495			-1,6	s
28	0,637			0,4	s
32	0,3773			-3,4	u
37	0,587	0,04	-0,9	-0,3	s
38	0,624	0,127	0,3	0,2	s
39	0,6912			1,1	s
41	0,572			-0,5	s
42	0,561			-0,7	s
45	0,593	0,049	-0,5	-0,2	s
46	0,624	0,094	0,4	0,2	s
50	0,662			0,7	s
51	0,764			2,1	q
54	0,609	0,103	0,1	0,0	s
56	0,636			0,4	s
58	0,554	0,044	-2,3	-0,8	s
60	0,627			0,3	s
63	0,566	0,17	-0,5	-0,6	s
65	0,59			-0,2	s
66	0,468	0,14	-2,0	-2,0	s
68	0,653	0,03	3,1	0,6	s
69	0,486	0,078	-3,1	-1,8	s
72	0,586	0,014	-2,5	-0,3	s
74	0,794			2,5	q
76	0,647			0,5	s
78	0,691			1,1	s
80	0,661			0,7	s
81	0,642	0,193	0,4	0,5	s
84	0,492	0,074	-3,1	-1,7	s
85	0,546	0,137	-0,9	-0,9	s
86	0,629	0,011	3,6	0,3	s
90	0,576			-0,4	s
94	0,558			-0,7	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

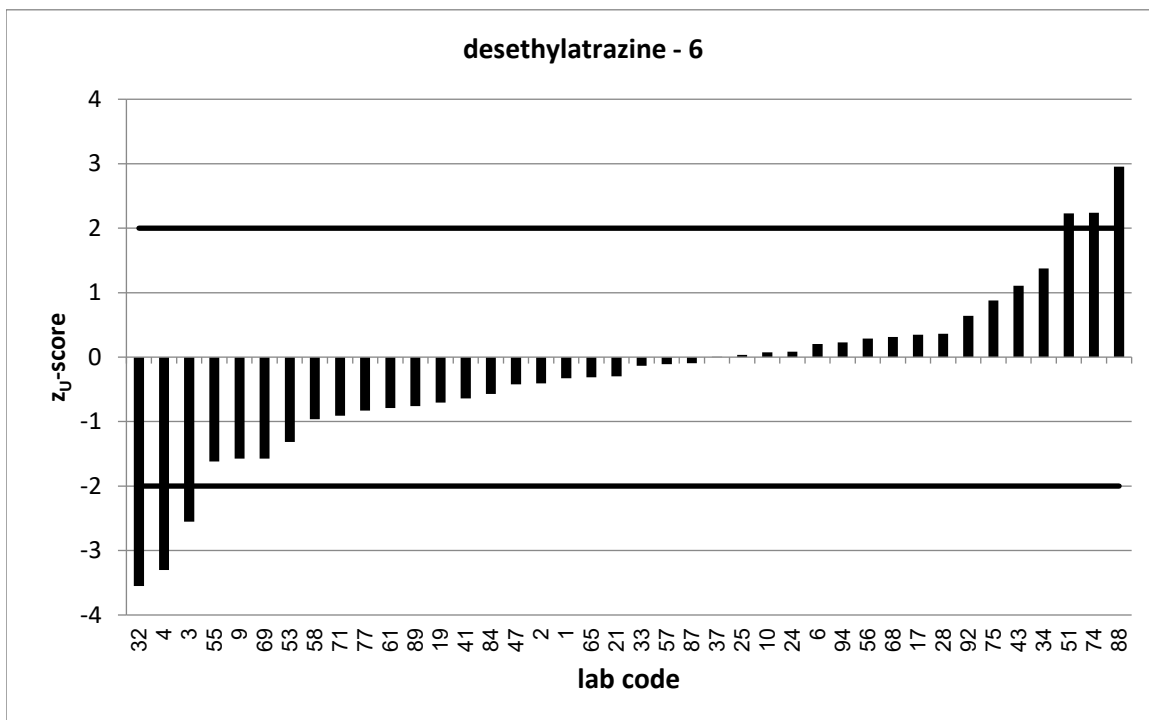
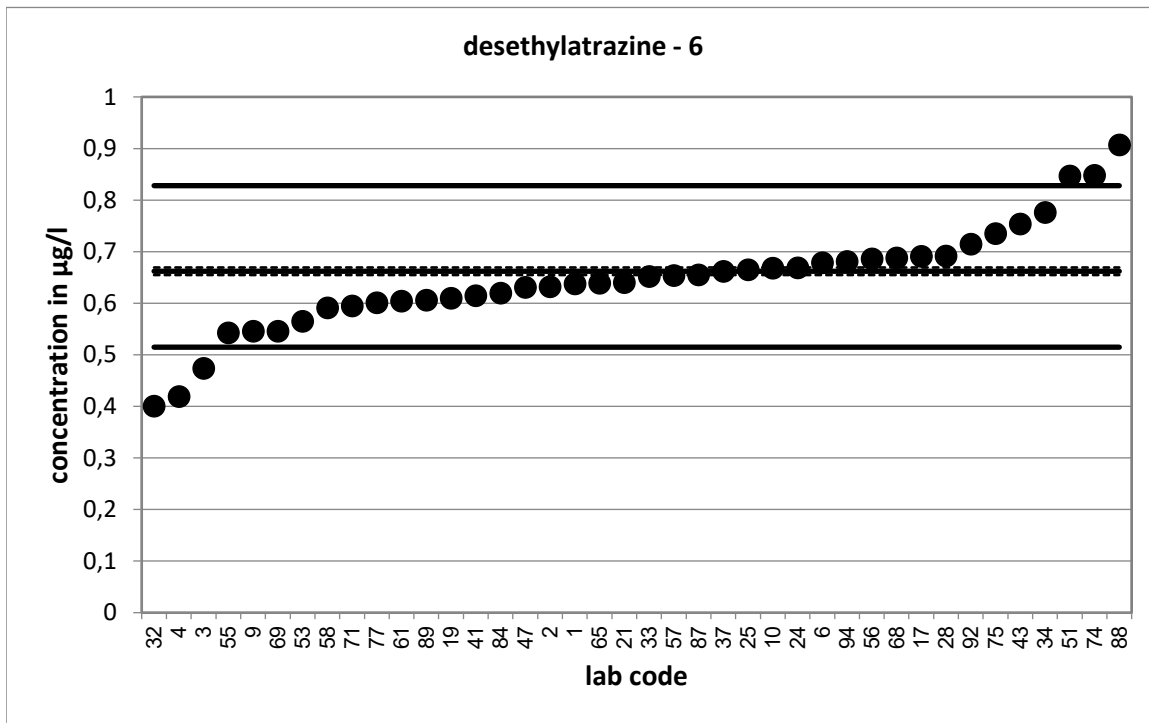


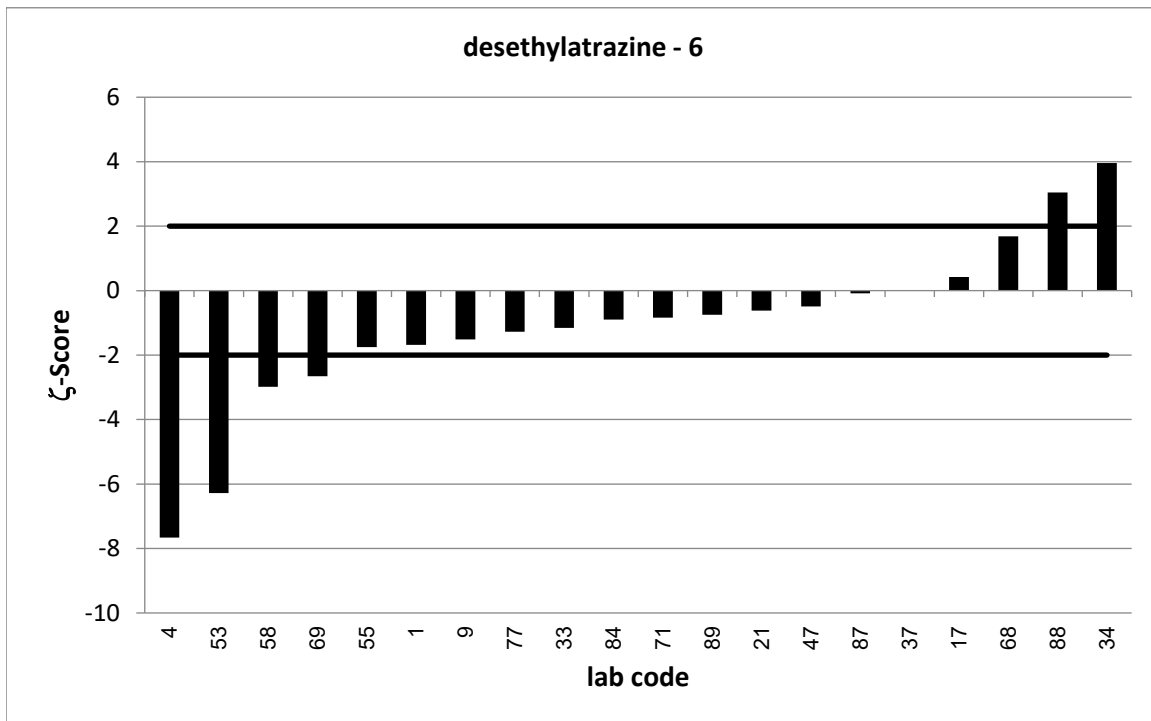
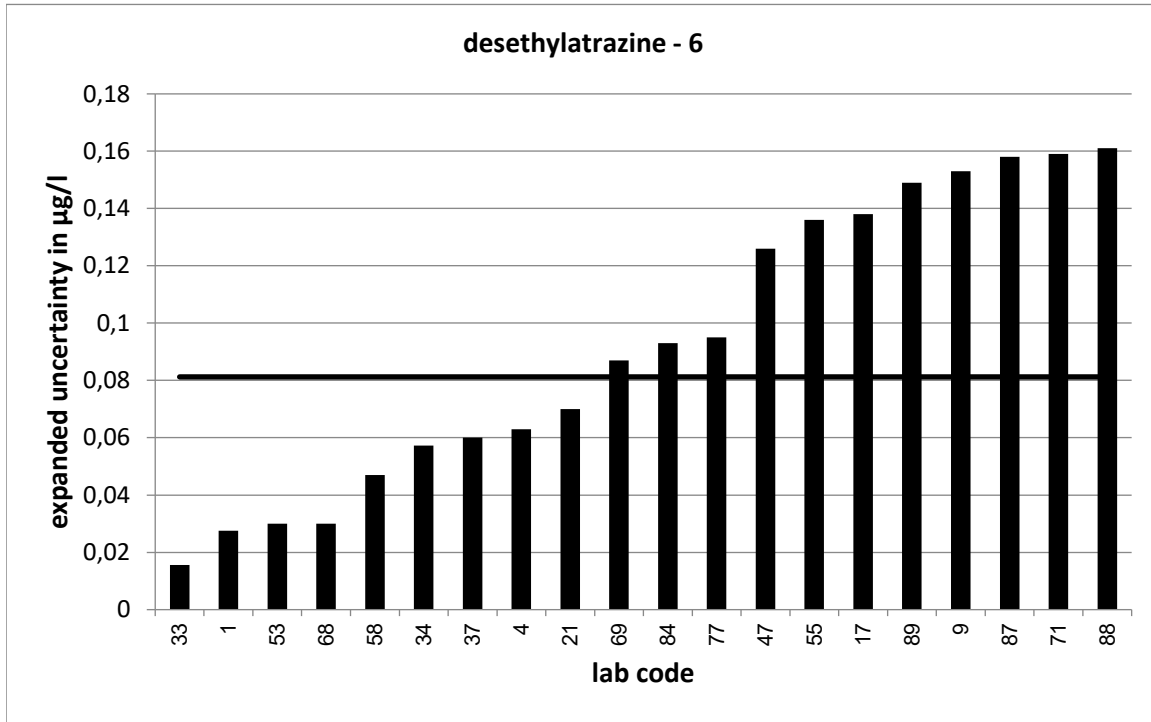


PT 7/20- TW O1		desethylatrazine - 6			
assigned value [$\mu\text{g/l}$]*		0,662 \pm 0,0073			
upper tolerance limit [$\mu\text{g/l}$]		0,8279			
lower tolerance limit [$\mu\text{g/l}$]		0,5148			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,638	0,028	-1,7	-0,3	s
2	0,632			-0,4	s
3	0,474			-2,6	q
4	0,419	0,063	-7,7	-3,3	u
6	0,679			0,2	s
9	0,546	0,153	-1,5	-1,6	s
10	0,668			0,1	s
17	0,691	0,138	0,4	0,3	s
19	0,61			-0,7	s
21	0,64	0,07	-0,6	-0,3	s
24	0,669			0,1	s
25	0,665			0,0	s
28	0,692			0,4	s
32	0,4007			-3,6	u
33	0,652	0,016	-1,2	-0,1	s
34	0,7762	0,057	4,0	1,4	s
37	0,662	0,06	0,0	0,0	s
41	0,615			-0,6	s
43	0,754			1,1	s
47	0,631	0,126	-0,5	-0,4	s
51	0,847			2,2	q
53	0,565	0,03	-6,3	-1,3	s
55	0,543	0,136	-1,7	-1,6	s
56	0,686			0,3	s
57	0,654			-0,1	s
58	0,591	0,047	-3,0	-1,0	s
61	0,604			-0,8	s
65	0,639			-0,3	s
68	0,688	0,03	1,7	0,3	s
69	0,546	0,087	-2,7	-1,6	s
71	0,595	0,159	-0,8	-0,9	s
74	0,848			2,2	q
75	0,735			0,9	s
77	0,601	0,095	-1,3	-0,8	s
84	0,62	0,093	-0,9	-0,6	s
87	0,655	0,158	-0,1	-0,1	s
88	0,907	0,161	3,0	3,0	u
89	0,606	0,149	-0,8	-0,8	s
92	0,715			0,6	s
94	0,681			0,2	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

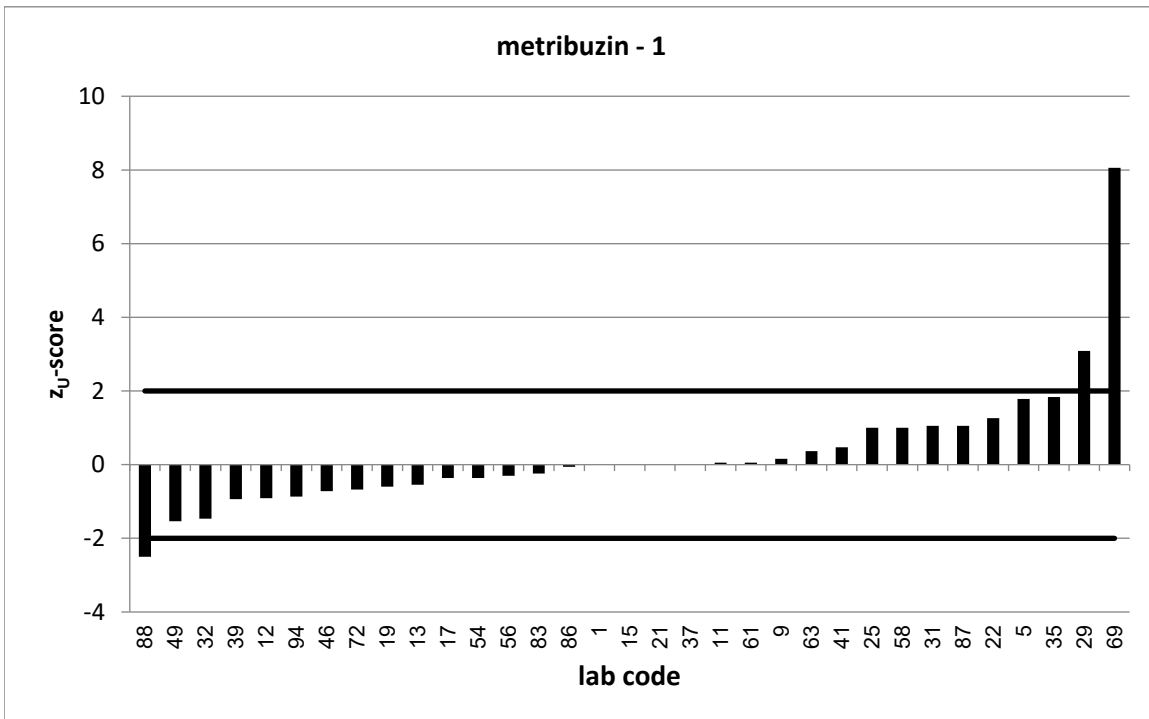
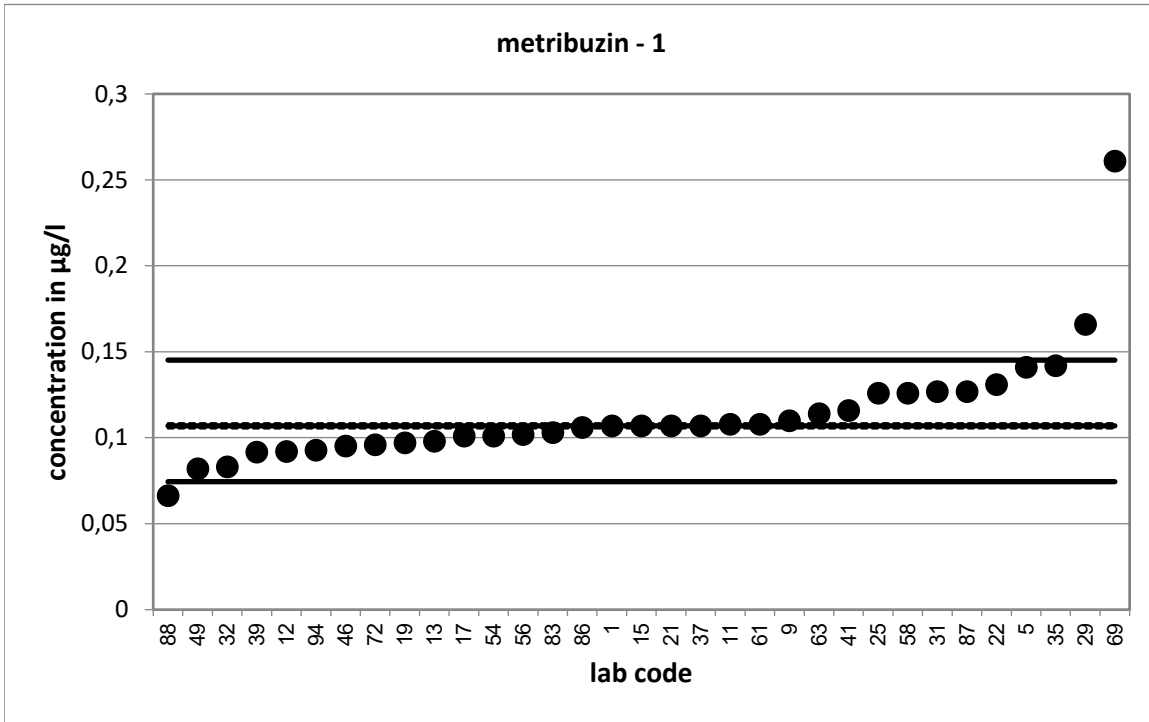


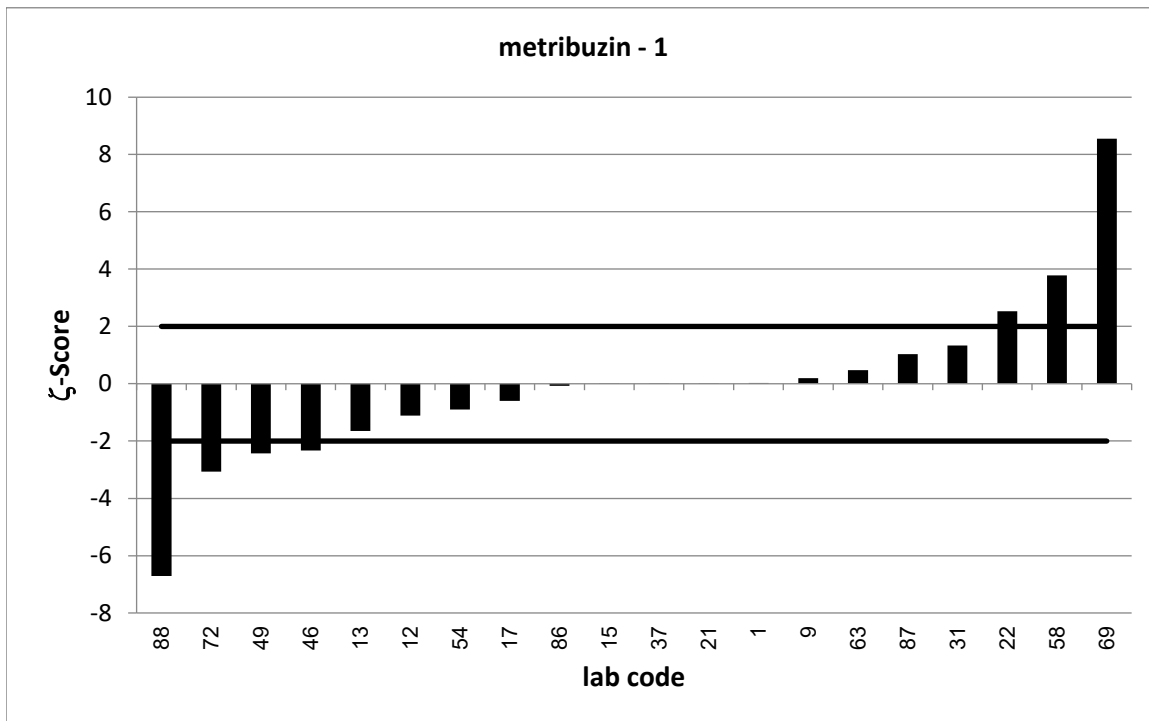
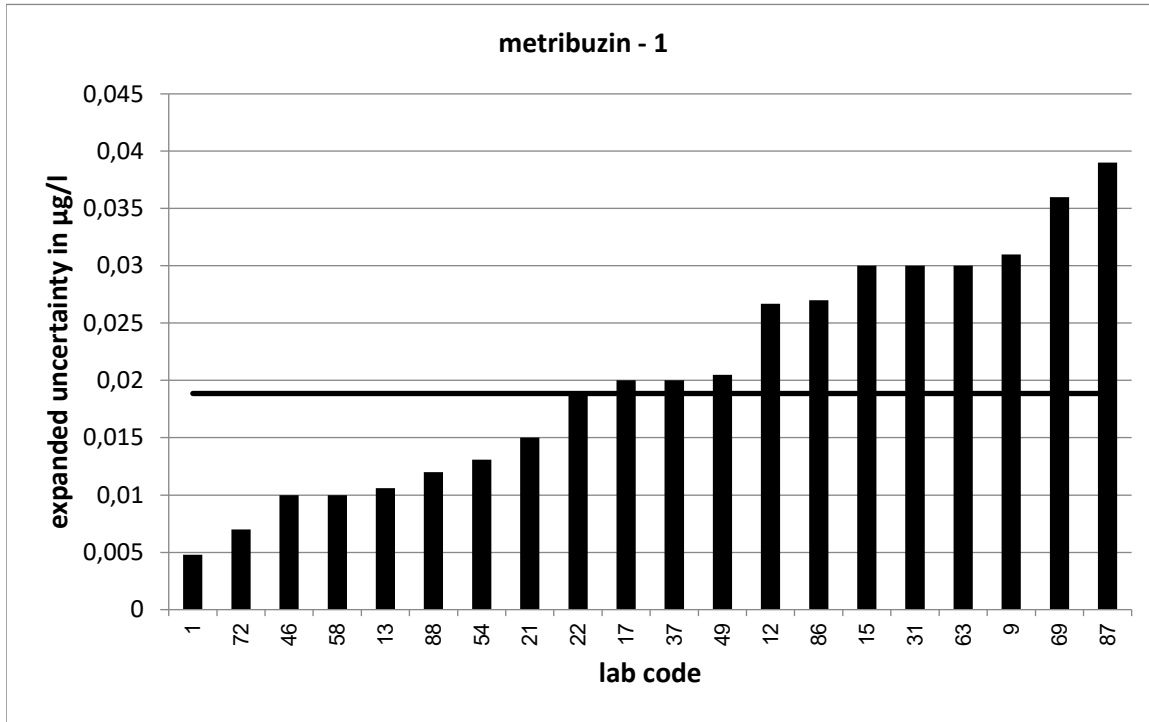


PT 7/20- TW O1		metribuzin - 1			
assigned value [$\mu\text{g/l}$]*		0,1069 \pm 0,0014			
upper tolerance limit [$\mu\text{g/l}$]		0,1452			
lower tolerance limit [$\mu\text{g/l}$]		0,07446			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,107	0,005	0,0	0,0	s
5	0,141			1,8	s
9	0,11	0,031	0,2	0,2	s
11	0,108			0,1	s
12	0,0921	0,027	-1,1	-0,9	s
13	0,0981	0,011	-1,7	-0,5	s
15	0,107	0,03	0,0	0,0	s
17	0,101	0,02	-0,6	-0,4	s
19	0,0972			-0,6	s
21	0,107	0,015	0,0	0,0	s
22	0,131	0,019	2,5	1,3	s
25	0,126			1,0	s
29	0,166			3,1	u
31	0,127	0,03	1,3	1,0	s
32	0,0831			-1,5	s
35	0,142			1,8	s
37	0,107	0,02	0,0	0,0	s
39	0,0918			-0,9	s
41	0,116			0,5	s
46	0,0952	0,01	-2,3	-0,7	s
49	0,082	0,021	-2,4	-1,5	s
54	0,101	0,013	-0,9	-0,4	s
56	0,102			-0,3	s
58	0,126	0,01	3,8	1,0	s
61	0,108			0,1	s
63	0,114	0,03	0,5	0,4	s
69	0,261	0,036	8,6	8,1	u
72	0,096	0,007	-3,1	-0,7	s
83	0,103			-0,2	s
86	0,106	0,027	-0,1	-0,1	s
87	0,127	0,039	1,0	1,0	s
88	0,0664	0,012	-6,7	-2,5	q
94	0,0929			-0,9	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

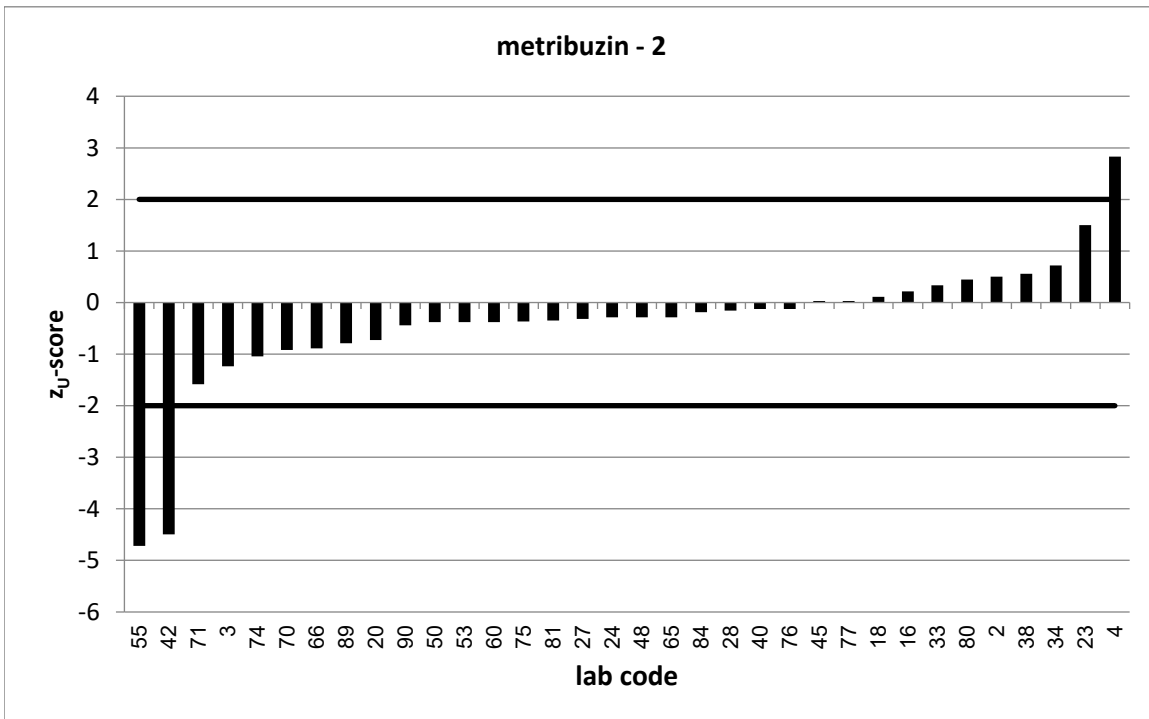
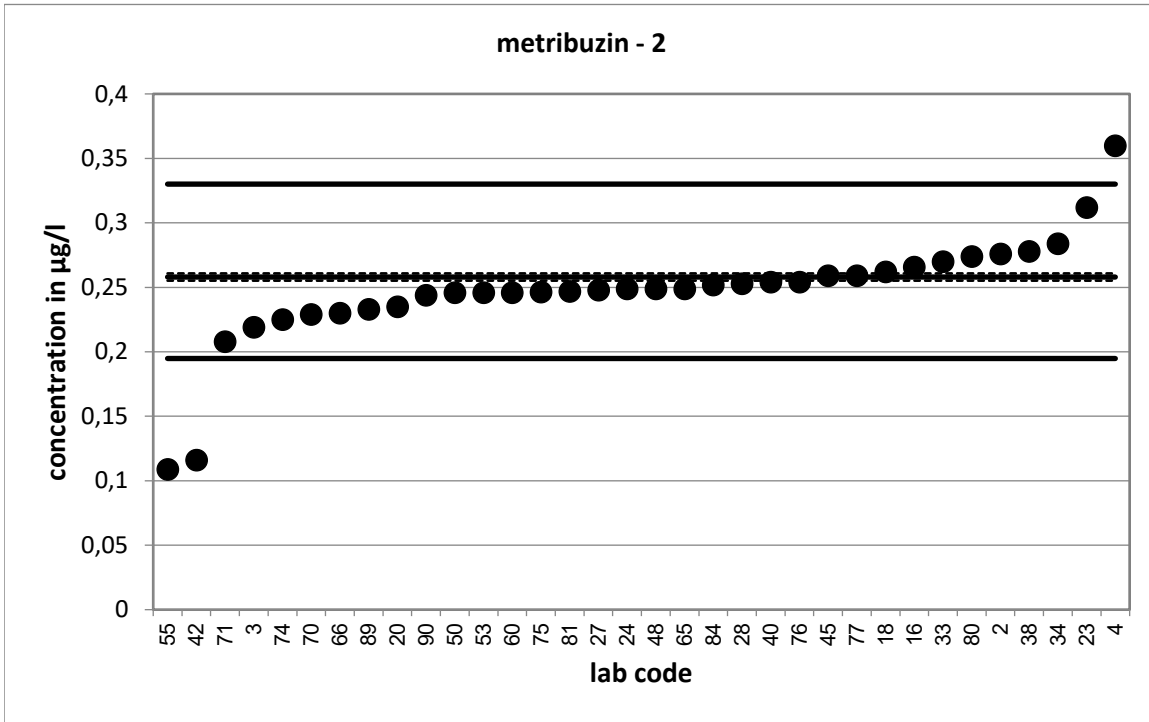


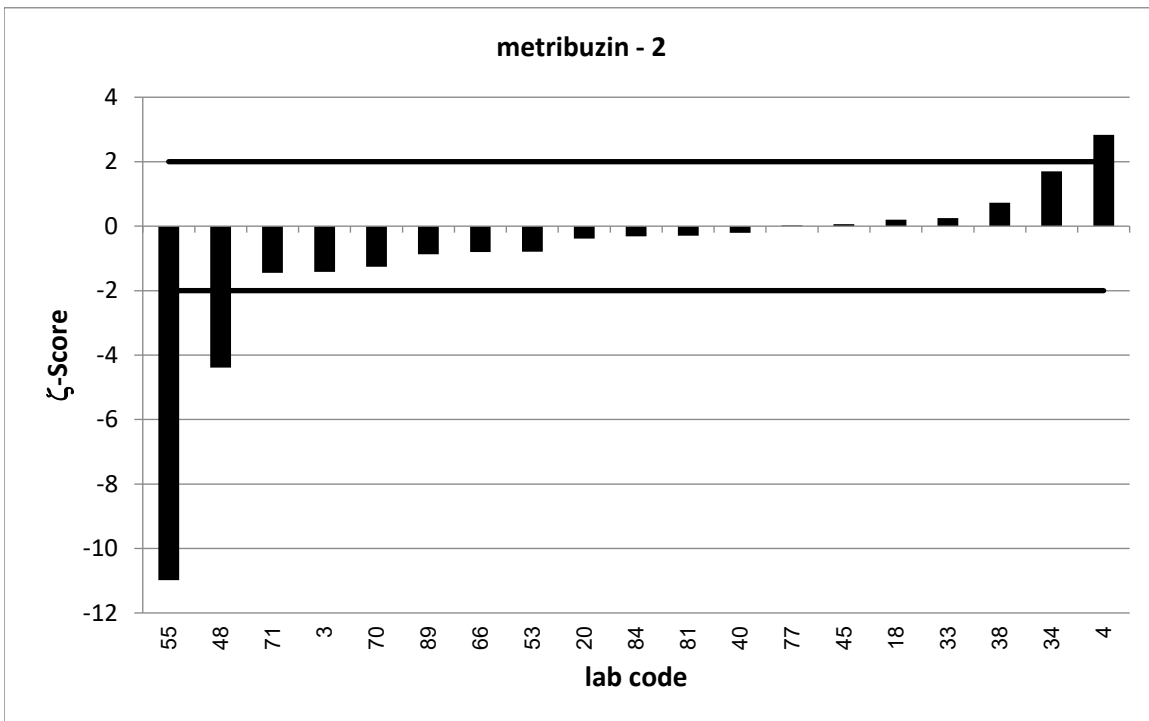
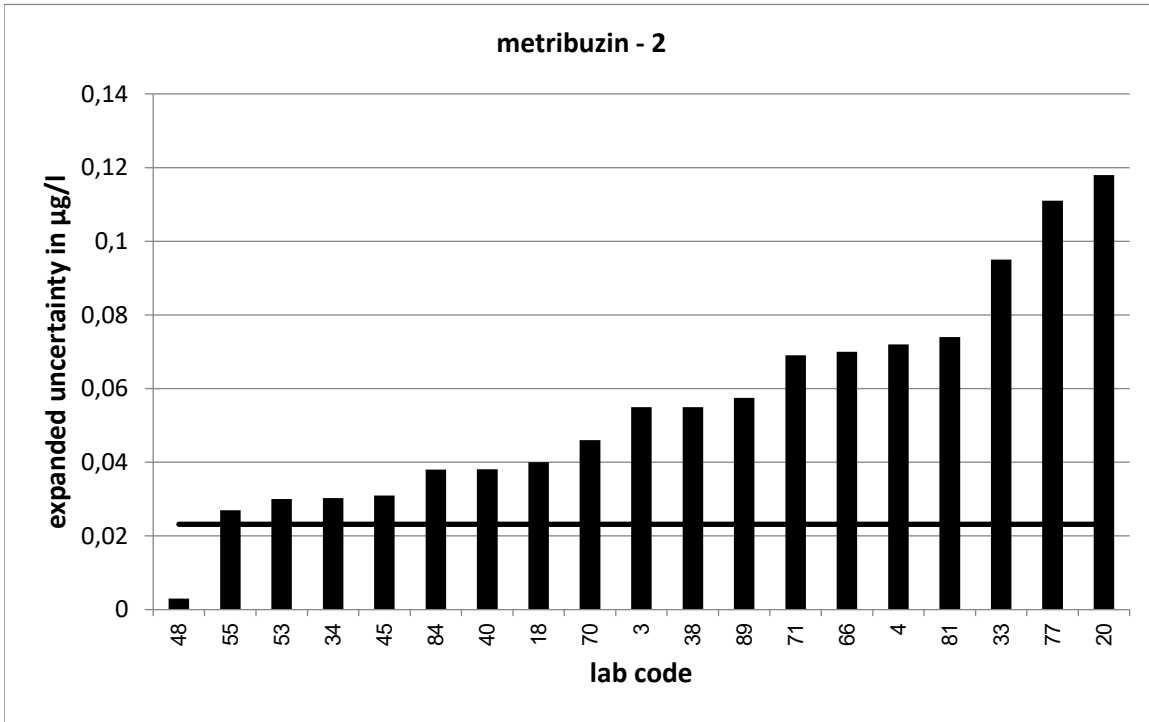


PT 7/20- TW O1		metribuzin - 2			
assigned value [$\mu\text{g/l}$]*		0,258 \pm 0,0028			
upper tolerance limit [$\mu\text{g/l}$]		0,3301			
lower tolerance limit [$\mu\text{g/l}$]		0,1948			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,276			0,5	s
3	0,219	0,055	-1,4	-1,2	s
4	0,36	0,072	2,8	2,8	q
16	0,2657			0,2	s
18	0,262	0,04	0,2	0,1	s
20	0,235	0,118	-0,4	-0,7	s
23	0,312			1,5	s
24	0,249			-0,3	s
27	0,248			-0,3	s
28	0,253			-0,2	s
33	0,27	0,095	0,3	0,3	s
34	0,2839	0,03	1,7	0,7	s
38	0,278	0,055	0,7	0,6	s
40	0,254	0,038	-0,2	-0,1	s
42	0,116			-4,5	u
45	0,259	0,031	0,1	0,0	s
48	0,249	0,003	-4,4	-0,3	s
50	0,246			-0,4	s
53	0,246	0,03	-0,8	-0,4	s
55	0,109	0,027	-11,0	-4,7	u
60	0,246			-0,4	s
65	0,249			-0,3	s
66	0,23	0,07	-0,8	-0,9	s
70	0,229	0,046	-1,3	-0,9	s
71	0,208	0,069	-1,4	-1,6	s
74	0,225			-1,0	s
75	0,2464			-0,4	s
76	0,254			-0,1	s
77	0,259	0,111	0,0	0,0	s
80	0,274			0,4	s
81	0,247	0,074	-0,3	-0,3	s
84	0,252	0,038	-0,3	-0,2	s
89	0,233	0,058	-0,9	-0,8	s
90	0,244			-0,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

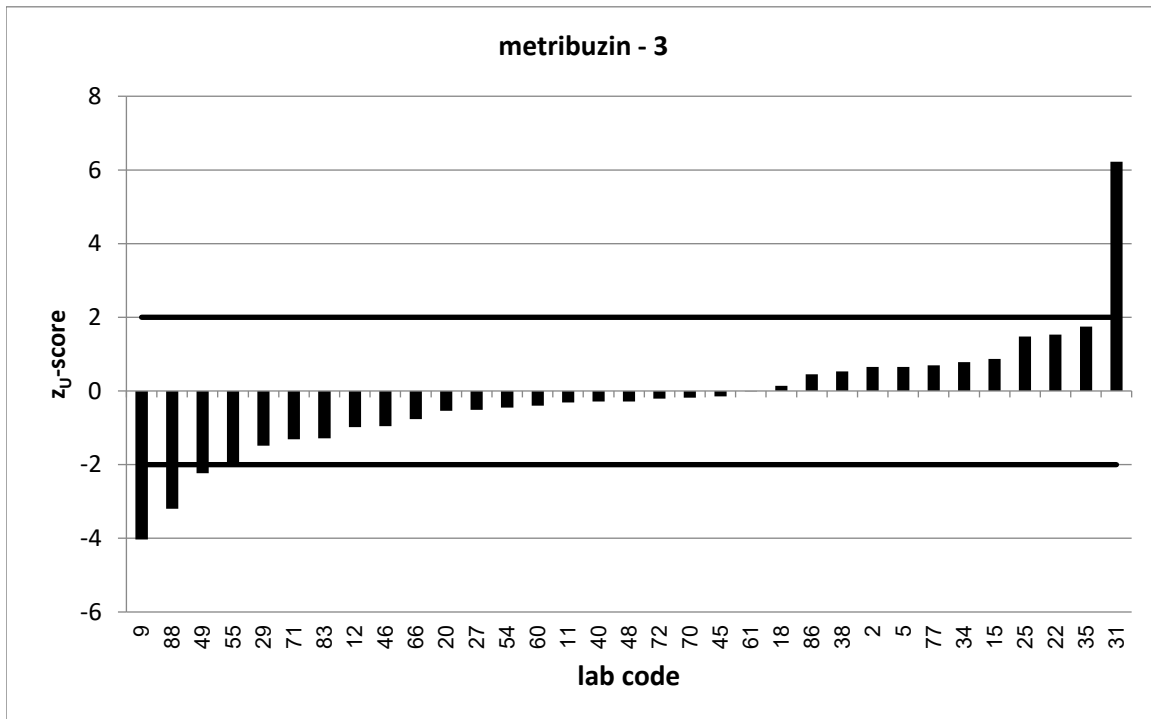
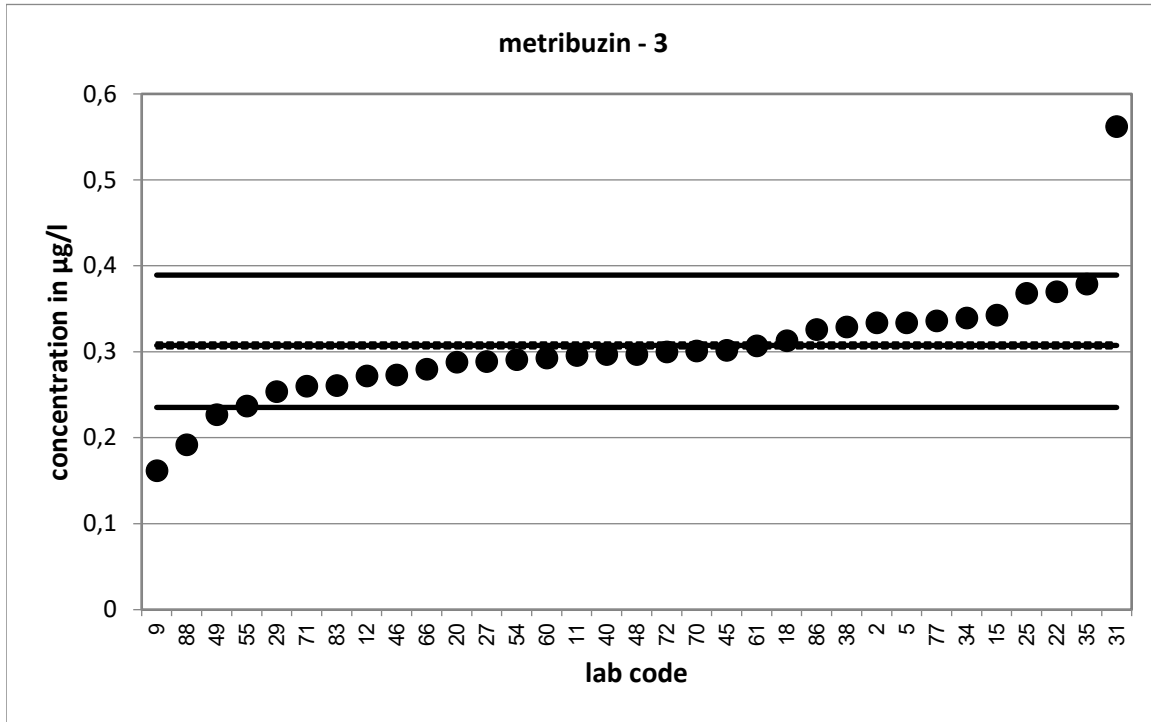


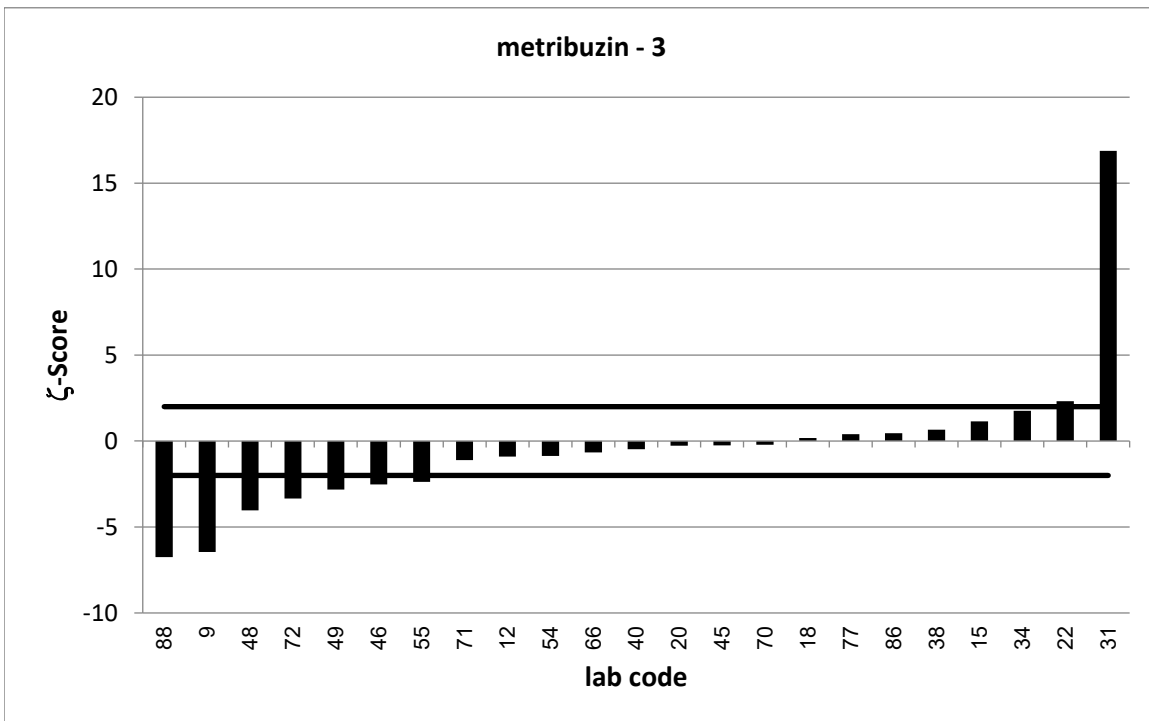
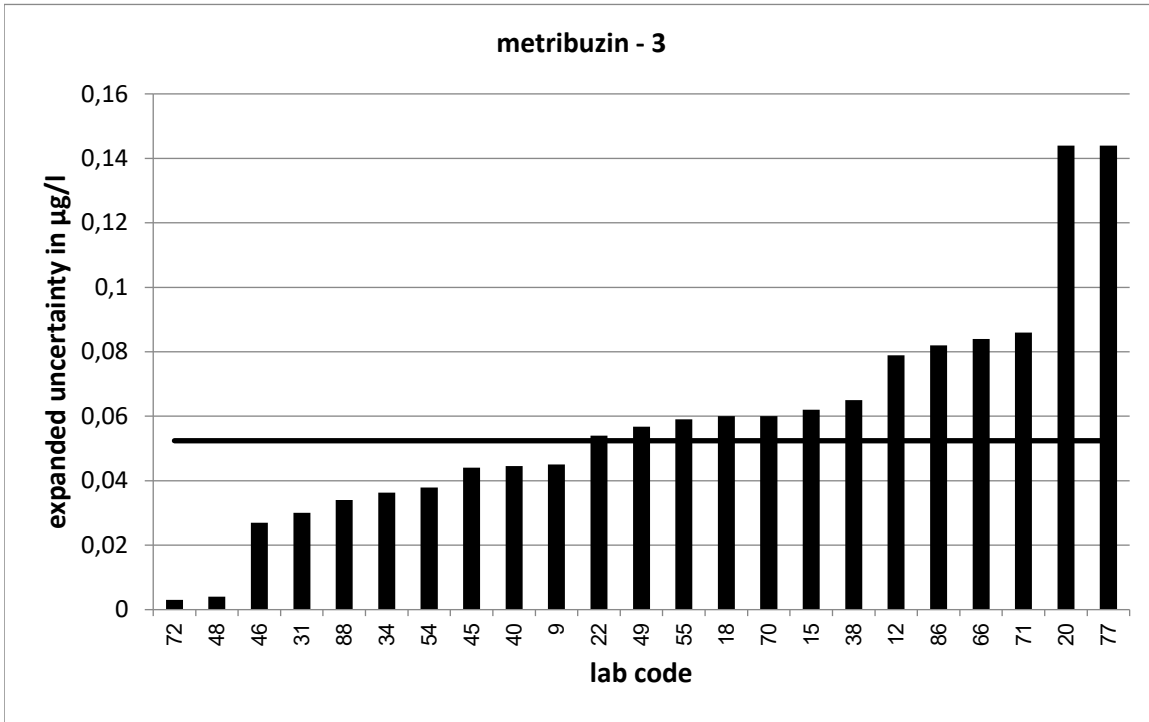


PT 7/20- TW O1		metribuzin - 3			
assigned value [$\mu\text{g/l}$]*		0,3074 \pm 0,0033			
upper tolerance limit [$\mu\text{g/l}$]		0,3892			
lower tolerance limit [$\mu\text{g/l}$]		0,2353			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,334			0,6	s
5	0,334			0,6	s
9	0,162	0,045	-6,4	-4,0	u
11	0,296			-0,3	s
12	0,272	0,079	-0,9	-1,0	s
15	0,343	0,062	1,1	0,9	s
18	0,313	0,06	0,2	0,1	s
20	0,288	0,144	-0,3	-0,5	s
22	0,37	0,054	2,3	1,5	s
25	0,368			1,5	s
27	0,289			-0,5	s
29	0,254			-1,5	s
31	0,562	0,03	16,9	6,2	u
34	0,3395	0,036	1,8	0,8	s
35	0,379			1,7	s
38	0,329	0,065	0,7	0,5	s
40	0,297	0,045	-0,5	-0,3	s
45	0,302	0,044	-0,2	-0,2	s
46	0,273	0,027	-2,5	-1,0	s
48	0,297	0,004	-4,0	-0,3	s
49	0,227	0,057	-2,8	-2,2	q
54	0,291	0,038	-0,9	-0,5	s
55	0,237	0,059	-2,4	-2,0	s
60	0,293			-0,4	s
61	0,307			0,0	s
66	0,28	0,084	-0,7	-0,8	s
70	0,301	0,06	-0,2	-0,2	s
71	0,26	0,086	-1,1	-1,3	s
72	0,3	0,003	-3,3	-0,2	s
77	0,336	0,144	0,4	0,7	s
83	0,261			-1,3	s
86	0,326	0,082	0,5	0,5	s
88	0,192	0,034	-6,8	-3,2	u

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

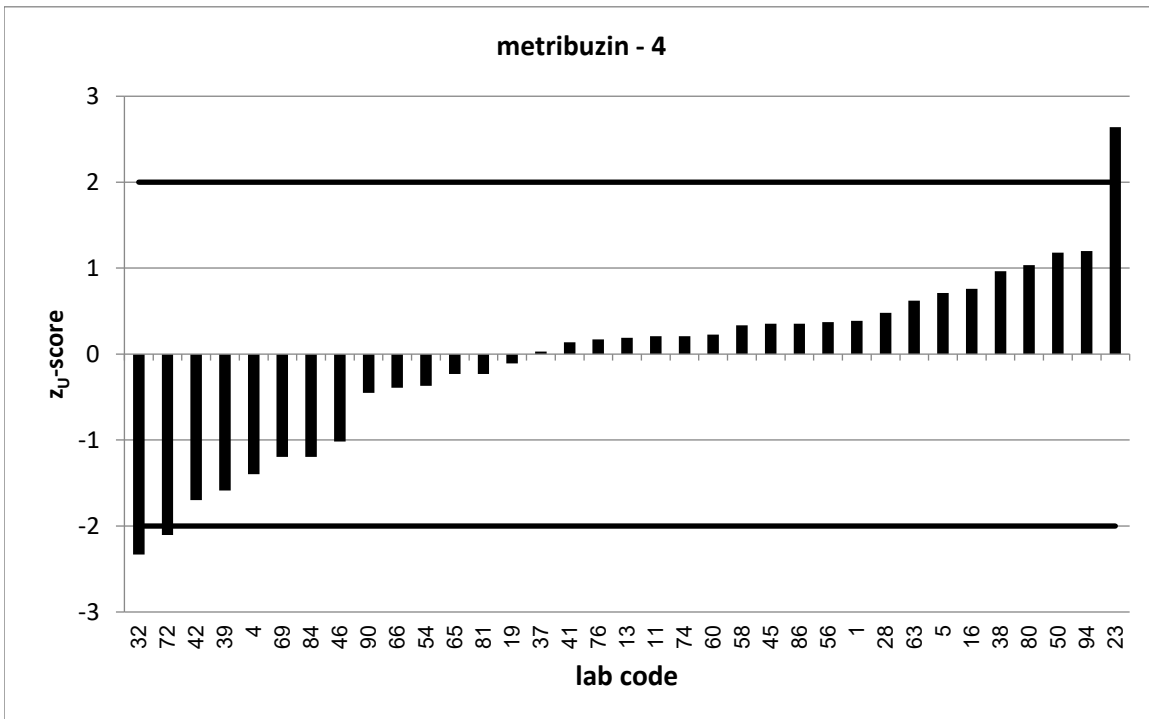
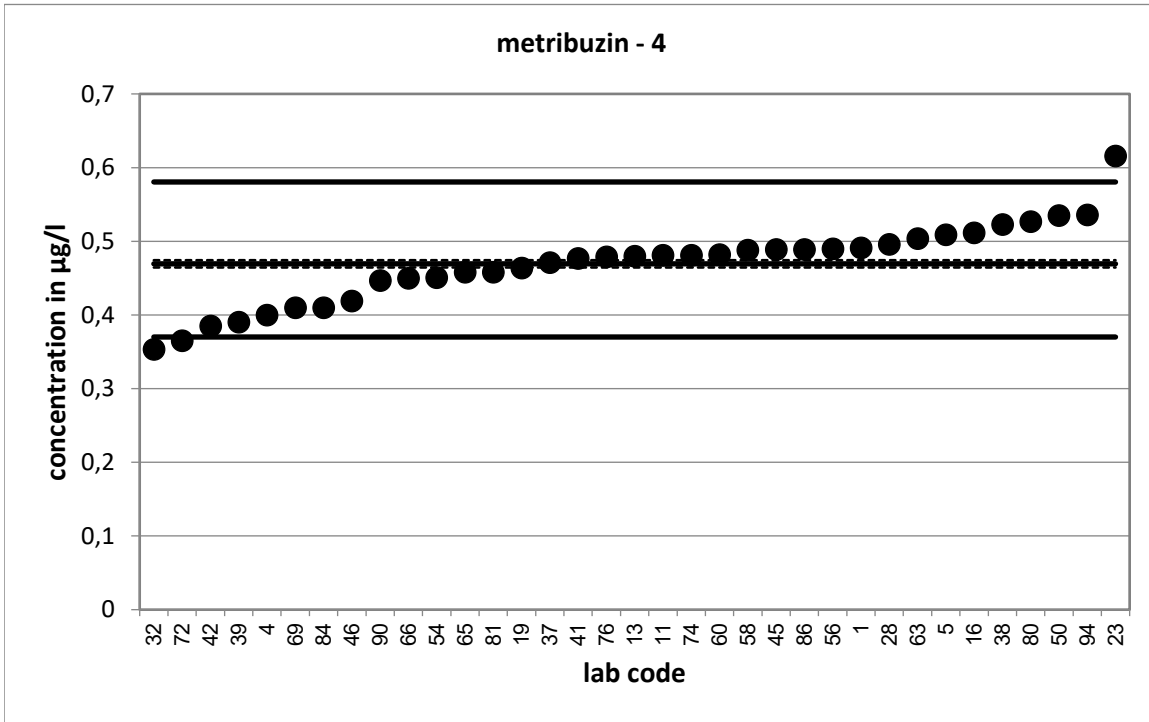


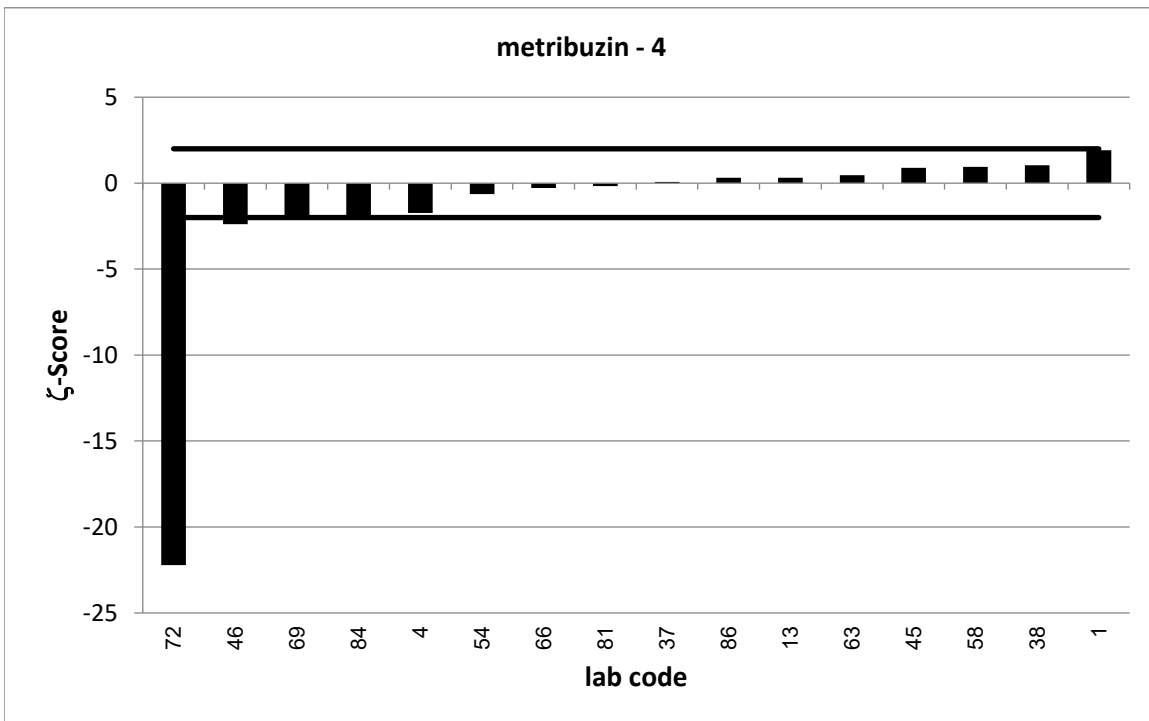
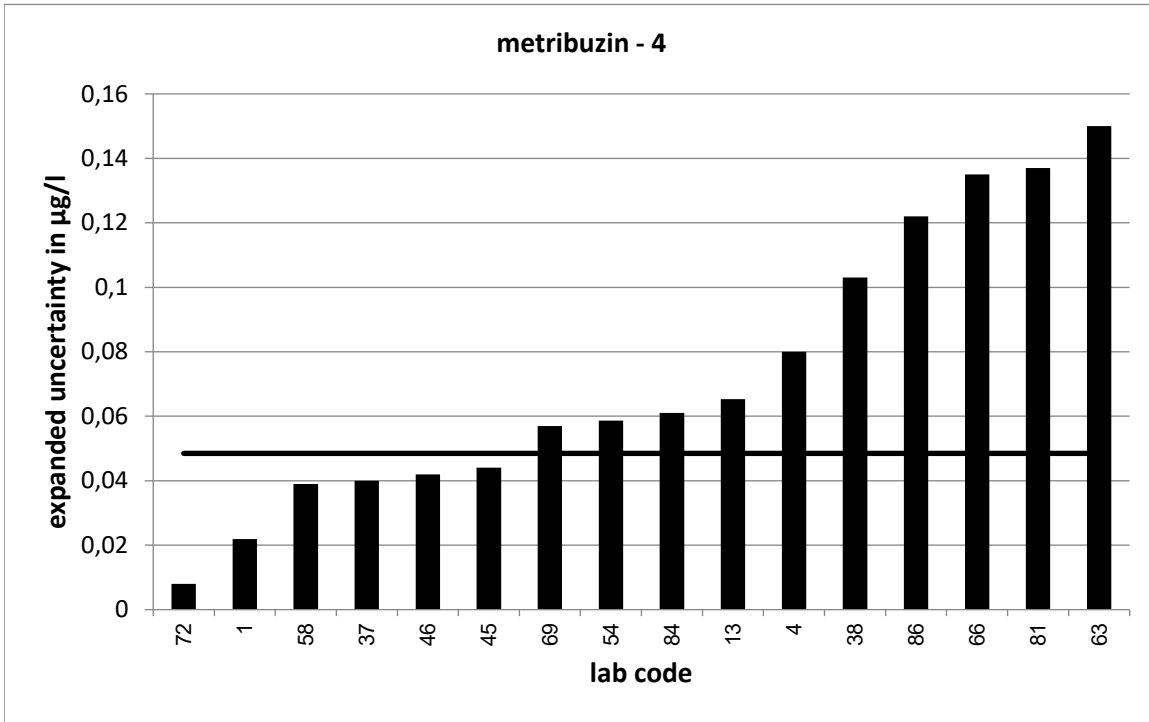


PT 7/20- TW O1		metribuzin - 4			
assigned value [$\mu\text{g/l}$]*		0,4694 \pm 0,0049			
upper tolerance limit [$\mu\text{g/l}$]		0,5805			
lower tolerance limit [$\mu\text{g/l}$]		0,3701			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,491	0,022	1,9	0,4	s
4	0,4	0,08	-1,7	-1,4	s
5	0,509			0,7	s
11	0,481			0,2	s
13	0,48	0,065	0,3	0,2	s
16	0,5116			0,8	s
19	0,464			-0,1	s
23	0,616			2,6	q
28	0,496			0,5	s
32	0,3536			-2,3	q
37	0,471	0,04	0,1	0,0	s
38	0,523	0,103	1,0	1,0	s
39	0,3906			-1,6	s
41	0,477			0,1	s
42	0,385			-1,7	s
45	0,489	0,044	0,9	0,4	s
46	0,419	0,042	-2,4	-1,0	s
50	0,535			1,2	s
54	0,451	0,059	-0,6	-0,4	s
56	0,49			0,4	s
58	0,488	0,039	0,9	0,3	s
60	0,482			0,2	s
63	0,504	0,15	0,5	0,6	s
65	0,458			-0,2	s
66	0,45	0,135	-0,3	-0,4	s
69	0,41	0,057	-2,1	-1,2	s
72	0,365	0,008	-22,2	-2,1	q
74	0,481			0,2	s
76	0,479			0,2	s
80	0,527			1,0	s
81	0,458	0,137	-0,2	-0,2	s
84	0,41	0,061	-1,9	-1,2	s
86	0,489	0,122	0,3	0,4	s
90	0,447			-0,5	s
94	0,536			1,2	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

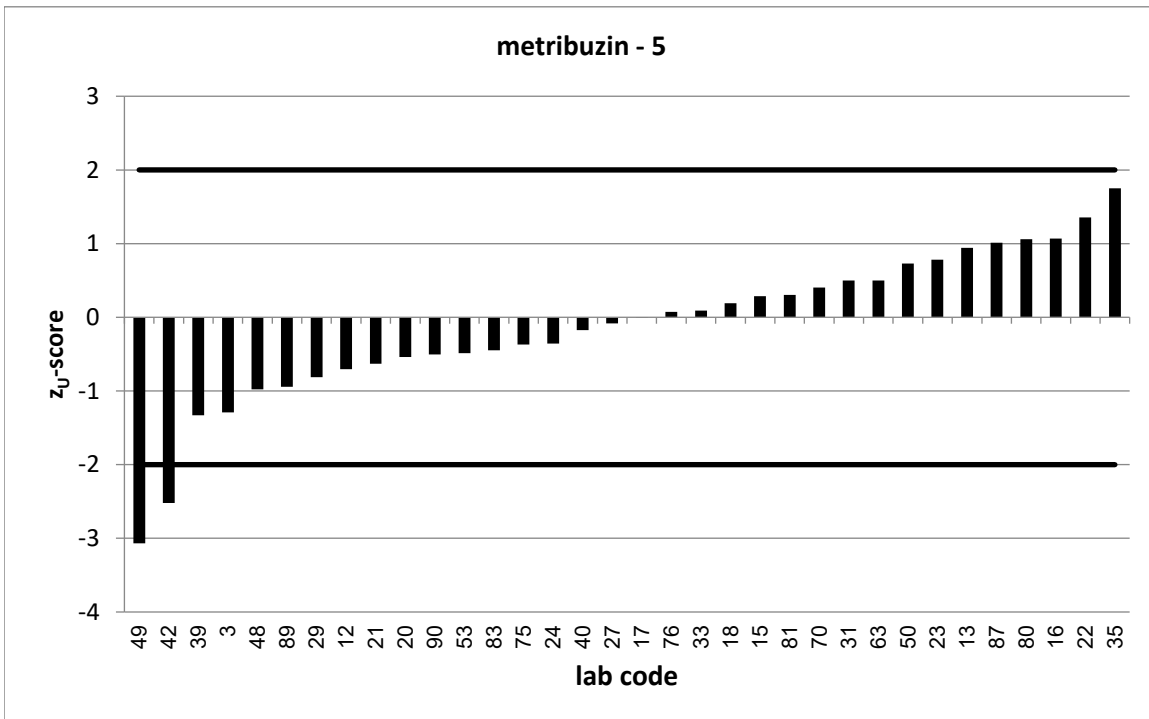
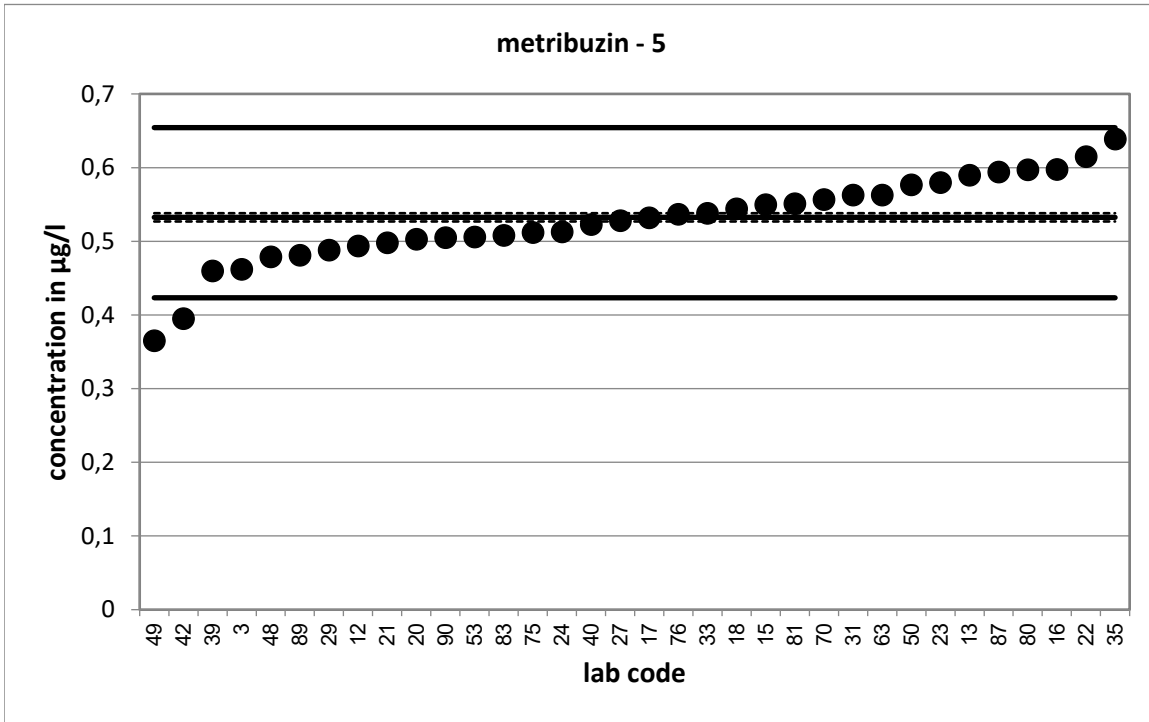


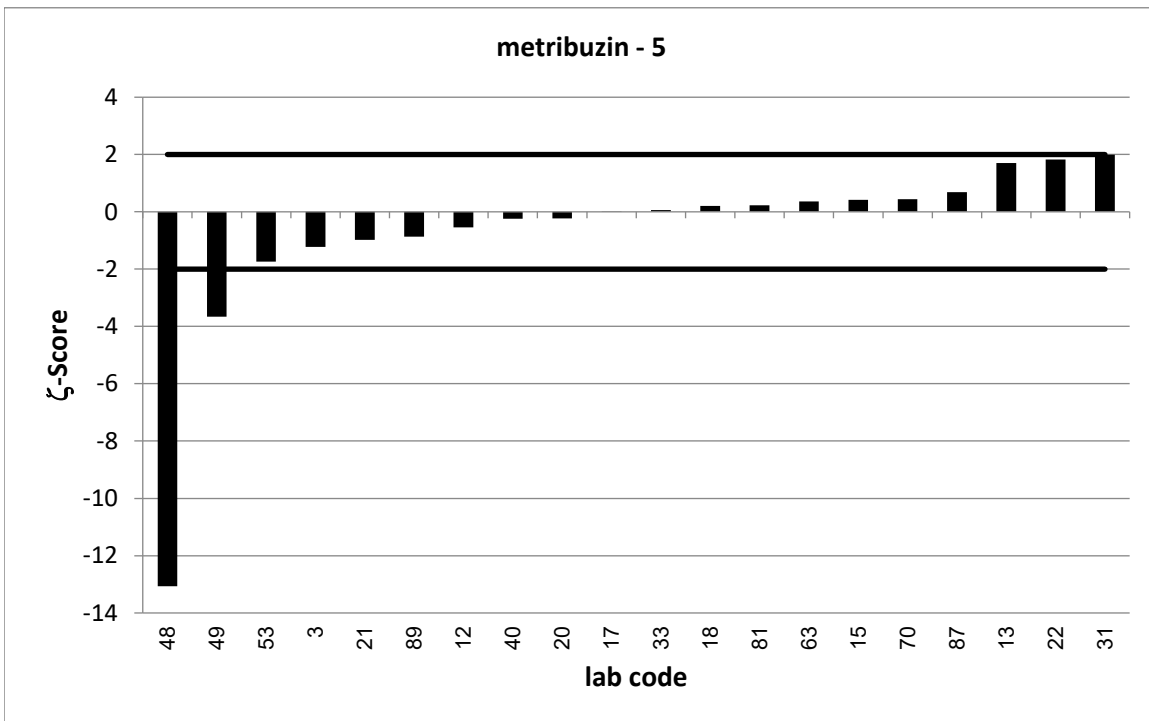
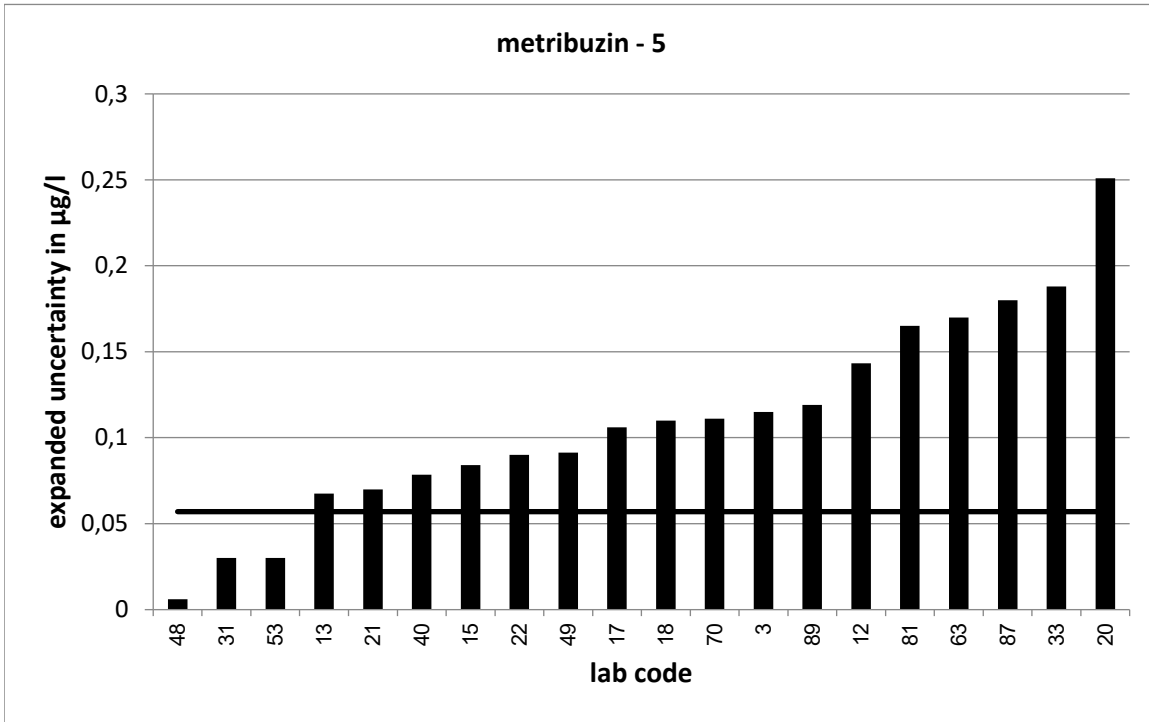


PT 7/20- TW O1		metribuzin - 5			
assigned value [$\mu\text{g/l}$]*		0,5325 \pm 0,0056			
upper tolerance limit [$\mu\text{g/l}$]		0,6542			
lower tolerance limit [$\mu\text{g/l}$]		0,4233			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
3	0,462	0,115	-1,2	-1,3	s
12	0,494	0,143	-0,5	-0,7	s
13	0,59	0,068	1,7	0,9	s
15	0,55	0,084	0,4	0,3	s
16	0,5975			1,1	s
17	0,532	0,106	0,0	0,0	s
18	0,544	0,11	0,2	0,2	s
20	0,503	0,251	-0,2	-0,5	s
21	0,498	0,07	-1,0	-0,6	s
22	0,615	0,09	1,8	1,4	s
23	0,58			0,8	s
24	0,513			-0,4	s
27	0,528			-0,1	s
29	0,488			-0,8	s
31	0,563	0,03	2,0	0,5	s
33	0,538	0,188	0,1	0,1	s
35	0,639			1,7	s
39	0,46			-1,3	s
40	0,523	0,078	-0,2	-0,2	s
42	0,395			-2,5	q
48	0,479	0,006	-13,1	-1,0	s
49	0,365	0,091	-3,7	-3,1	u
50	0,577			0,7	s
53	0,506	0,03	-1,7	-0,5	s
63	0,563	0,17	0,4	0,5	s
70	0,557	0,111	0,4	0,4	s
75	0,5122			-0,4	s
76	0,537			0,1	s
80	0,597			1,1	s
81	0,551	0,165	0,2	0,3	s
83	0,508			-0,4	s
87	0,594	0,18	0,7	1,0	s
89	0,481	0,119	-0,9	-0,9	s
90	0,505			-0,5	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

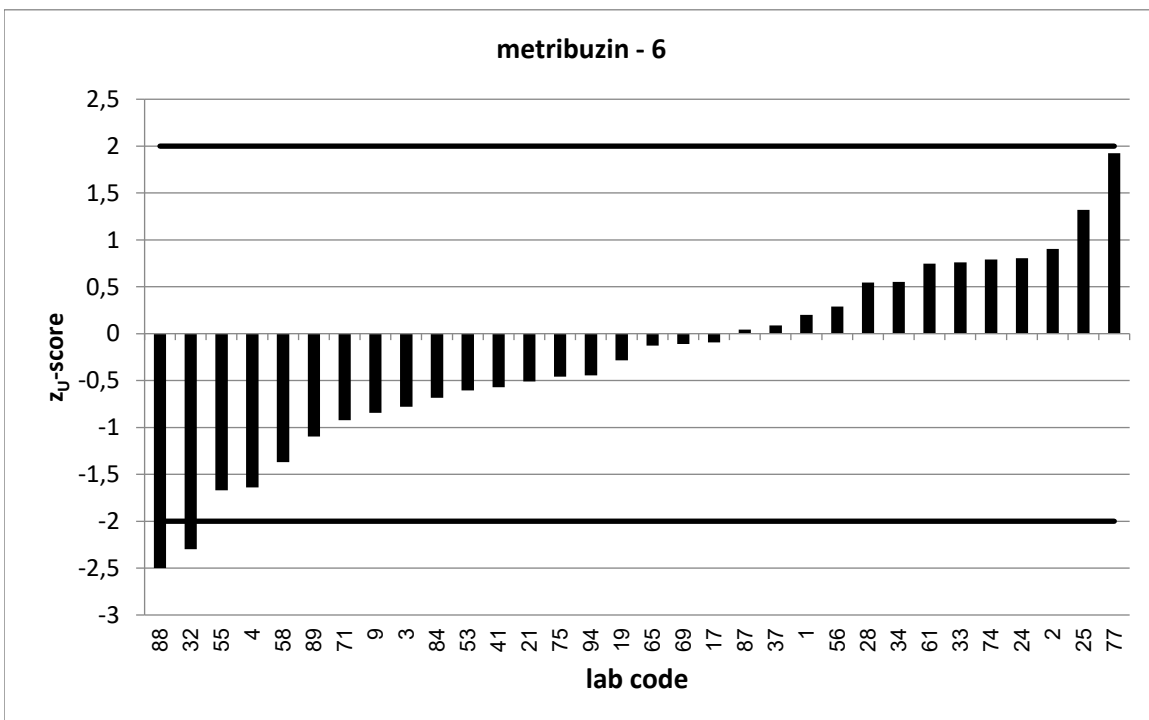
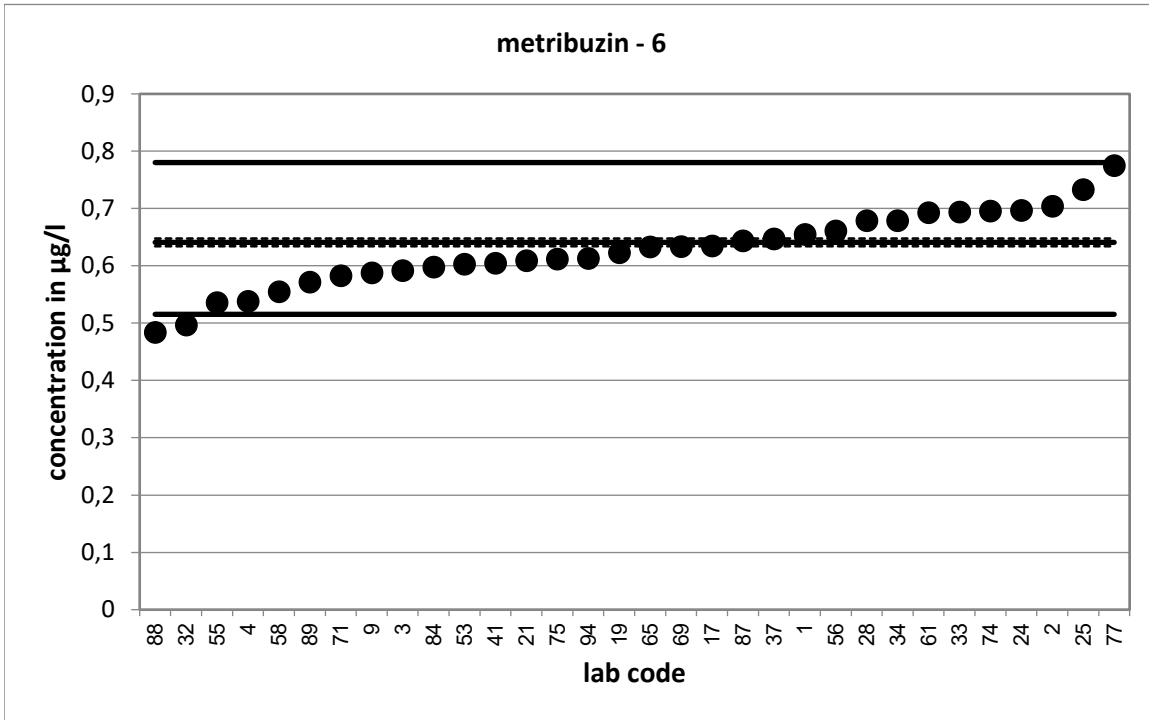


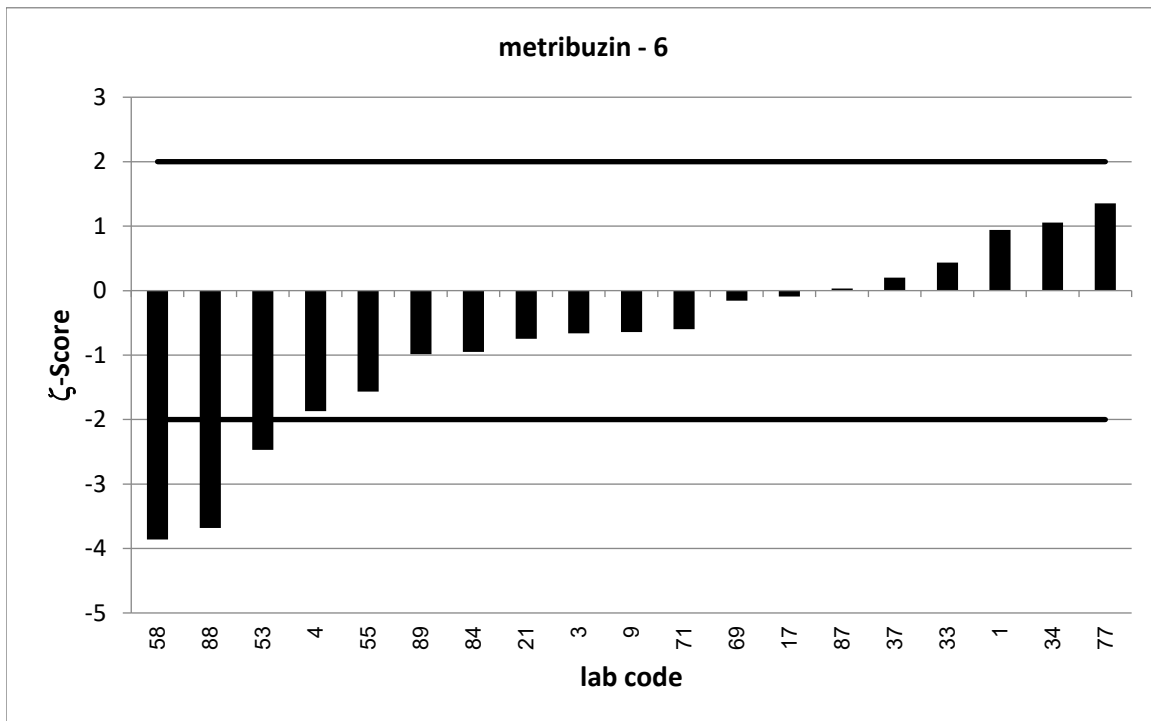
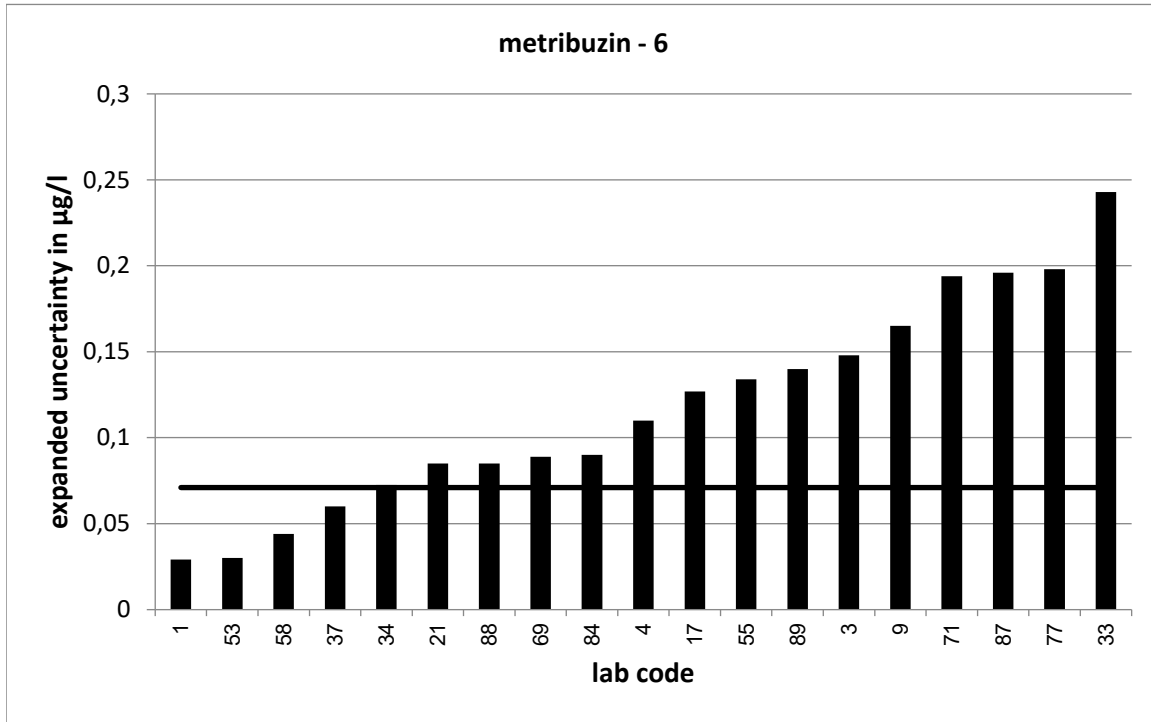


PT 7/20- TW O1		metribuzin - 6			
assigned value [$\mu\text{g/l}$]*		0,6409 \pm 0,0067			
upper tolerance limit [$\mu\text{g/l}$]		0,7803			
lower tolerance limit [$\mu\text{g/l}$]		0,5154			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,655	0,029	0,9	0,2	s
2	0,704			0,9	s
3	0,592	0,148	-0,7	-0,8	s
4	0,538	0,11	-1,9	-1,6	s
9	0,588	0,165	-0,6	-0,8	s
17	0,635	0,127	-0,1	-0,1	s
19	0,623			-0,3	s
21	0,609	0,085	-0,7	-0,5	s
24	0,697			0,8	s
25	0,733			1,3	s
28	0,679			0,5	s
32	0,4967			-2,3	q
33	0,694	0,243	0,4	0,8	s
34	0,6793	0,073	1,1	0,6	s
37	0,647	0,06	0,2	0,1	s
41	0,605			-0,6	s
53	0,603	0,03	-2,5	-0,6	s
55	0,536	0,134	-1,6	-1,7	s
56	0,661			0,3	s
58	0,555	0,044	-3,9	-1,4	s
61	0,693			0,7	s
65	0,633			-0,1	s
69	0,634	0,089	-0,2	-0,1	s
71	0,583	0,194	-0,6	-0,9	s
74	0,696			0,8	s
75	0,6121			-0,5	s
77	0,775	0,198	1,4	1,9	s
84	0,598	0,09	-1,0	-0,7	s
87	0,644	0,196	0,0	0,0	s
88	0,484	0,085	-3,7	-2,5	q
89	0,572	0,14	-1,0	-1,1	s
94	0,613			-0,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

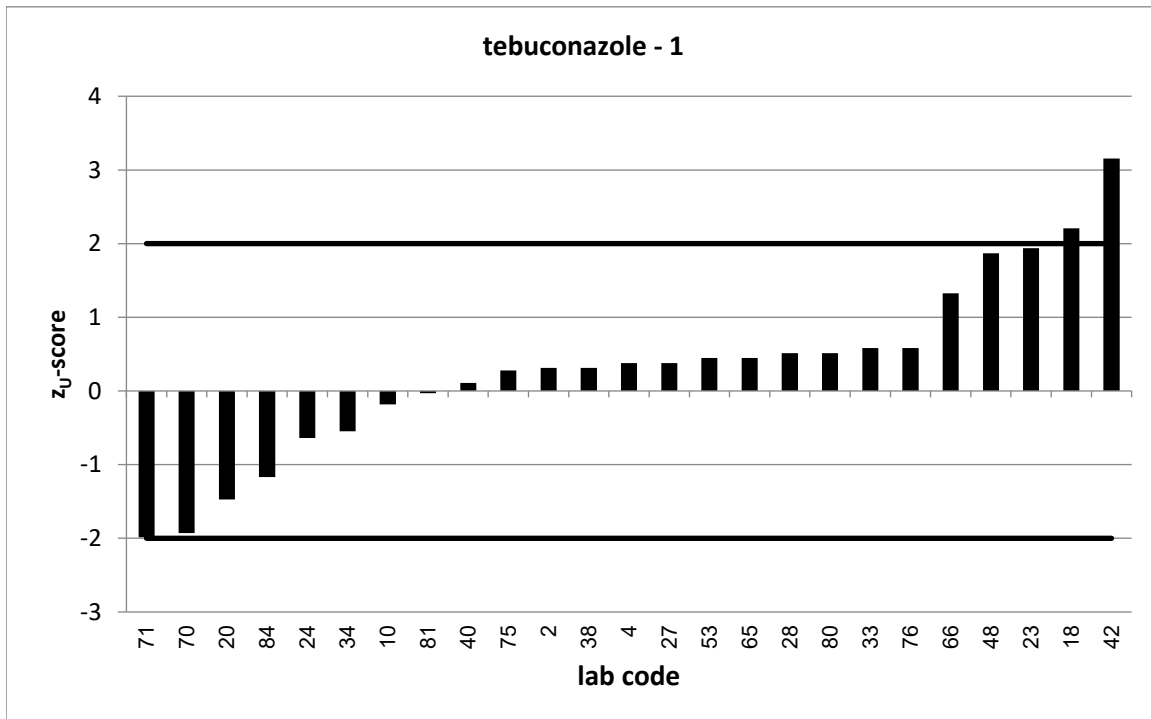
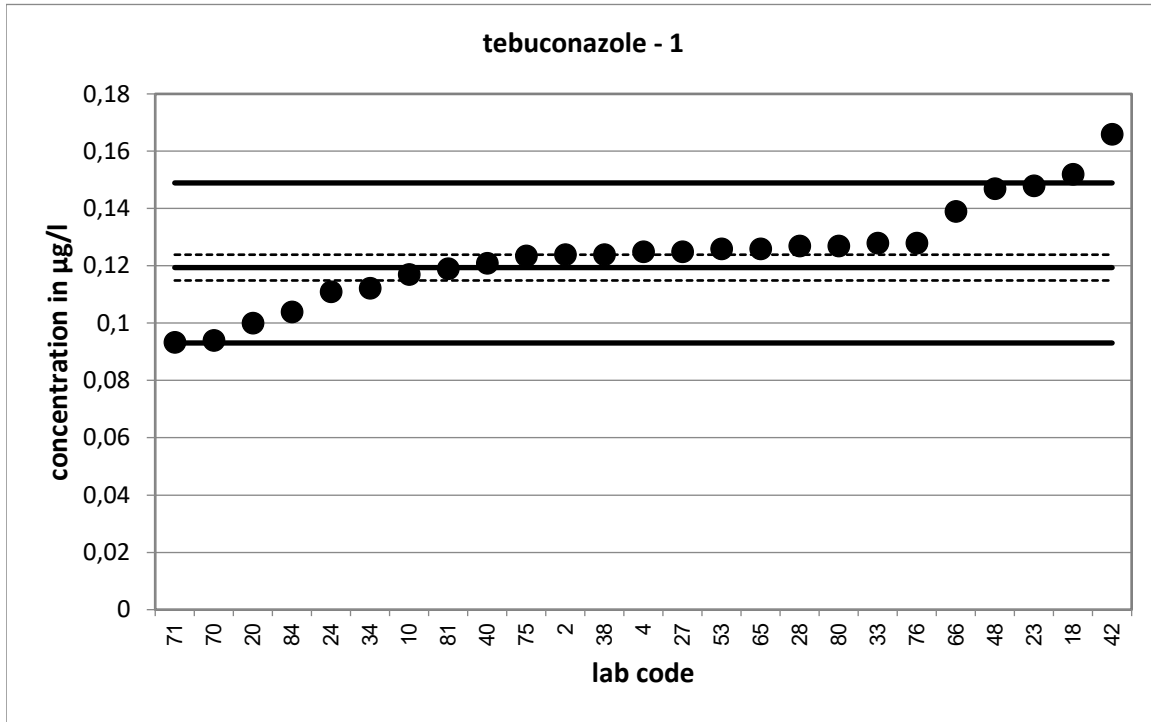


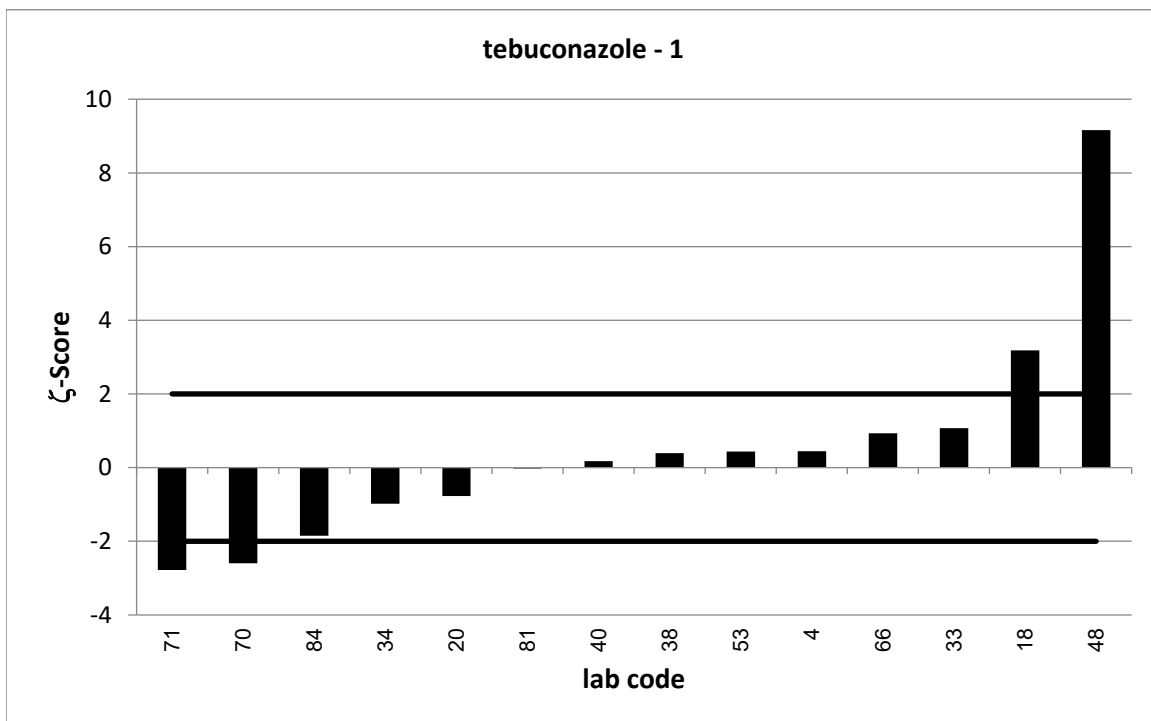
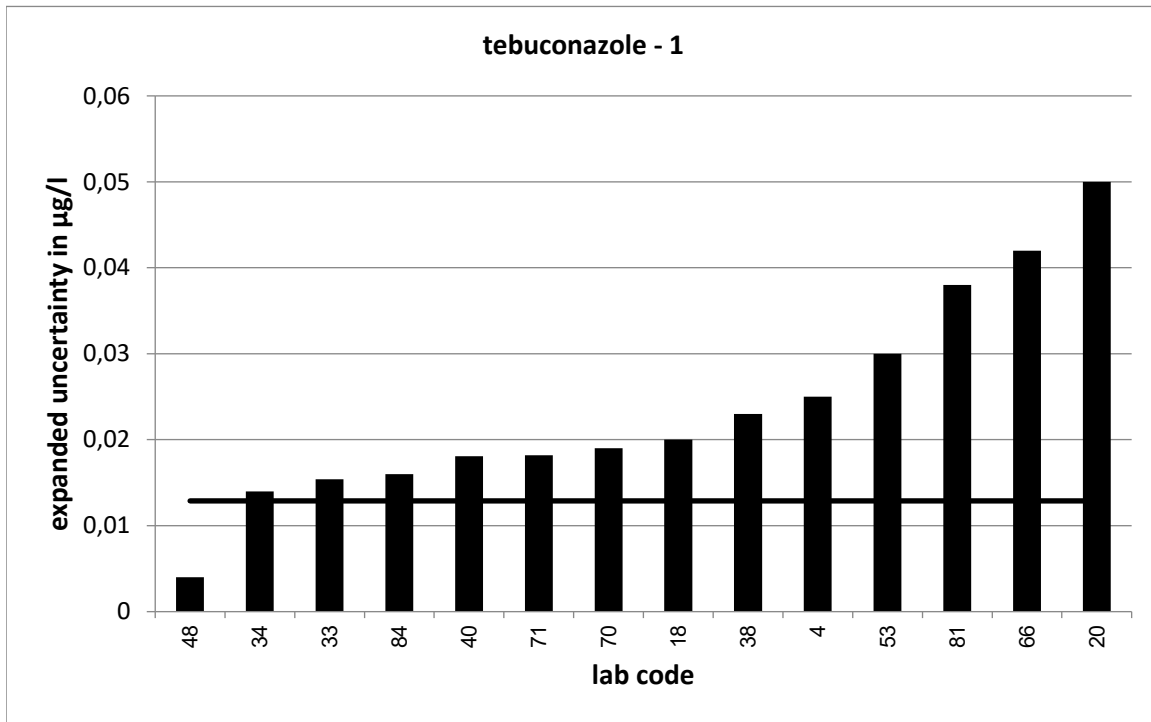


PT 7/20- TW O1		tebuconazole - 1			
assigned value [$\mu\text{g/l}$]*		0,1194 \pm 0,0045			
upper tolerance limit [$\mu\text{g/l}$]		0,1489			
lower tolerance limit [$\mu\text{g/l}$]		0,09308			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,124			0,3	s
4	0,125	0,025	0,4	0,4	s
10	0,117			-0,2	s
18	0,152	0,02	3,2	2,2	q
20	0,1	0,05	-0,8	-1,5	s
23	0,148			1,9	s
24	0,111			-0,6	s
27	0,125			0,4	s
28	0,127			0,5	s
33	0,128	0,015	1,1	0,6	s
34	0,1122	0,014	-1,0	-0,5	s
38	0,124	0,023	0,4	0,3	s
40	0,121	0,018	0,2	0,1	s
42	0,166			3,2	u
48	0,147	0,004	9,2	1,9	s
53	0,126	0,03	0,4	0,4	s
65	0,126			0,4	s
66	0,139	0,042	0,9	1,3	s
70	0,094	0,019	-2,6	-1,9	s
71	0,0933	0,018	-2,8	-2,0	s
75	0,1235			0,3	s
76	0,128			0,6	s
80	0,127			0,5	s
81	0,119	0,038	0,0	0,0	s
84	0,104	0,016	-1,9	-1,2	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

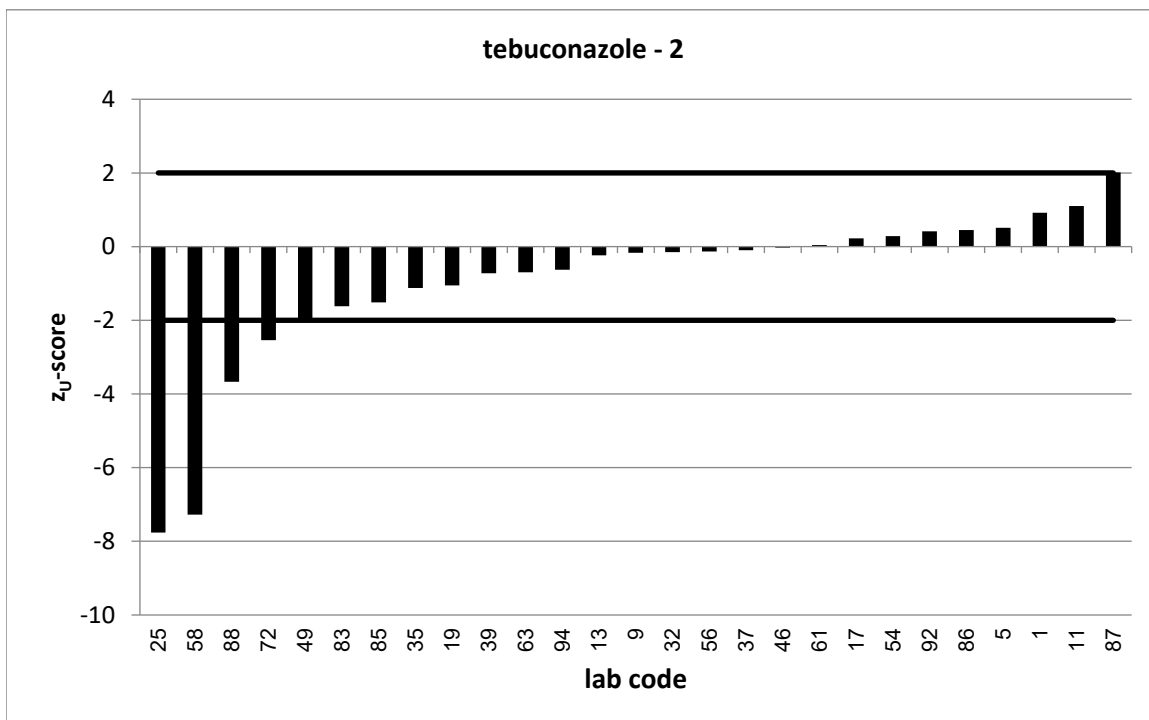
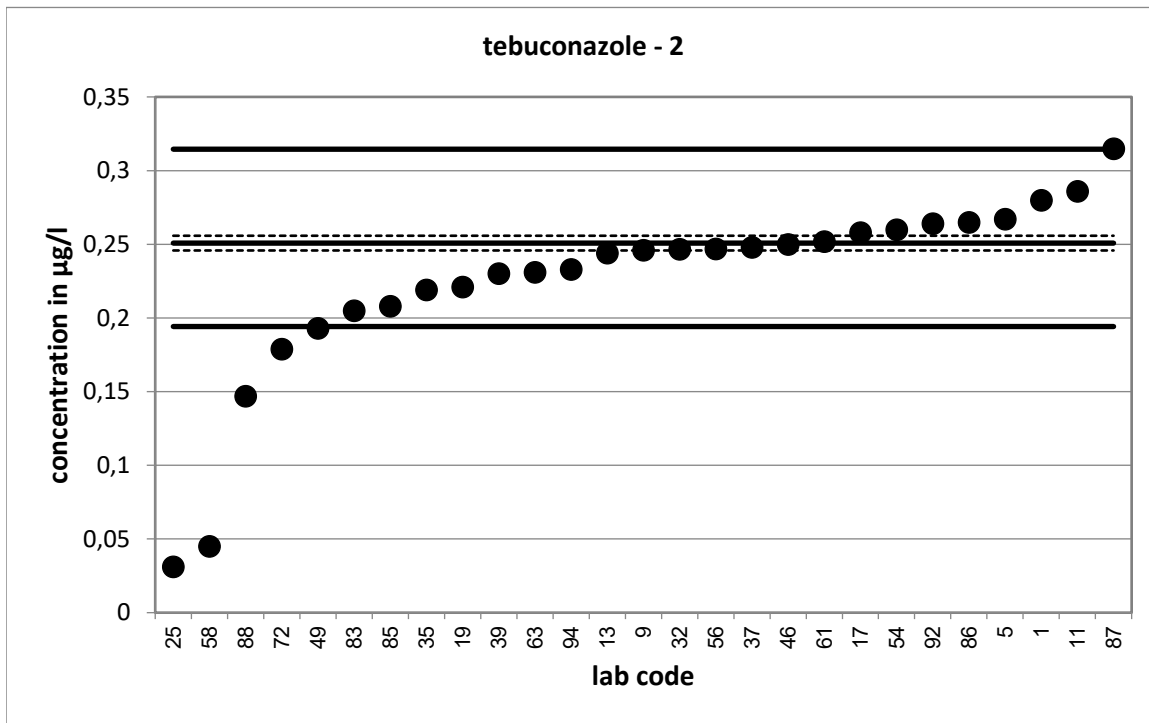


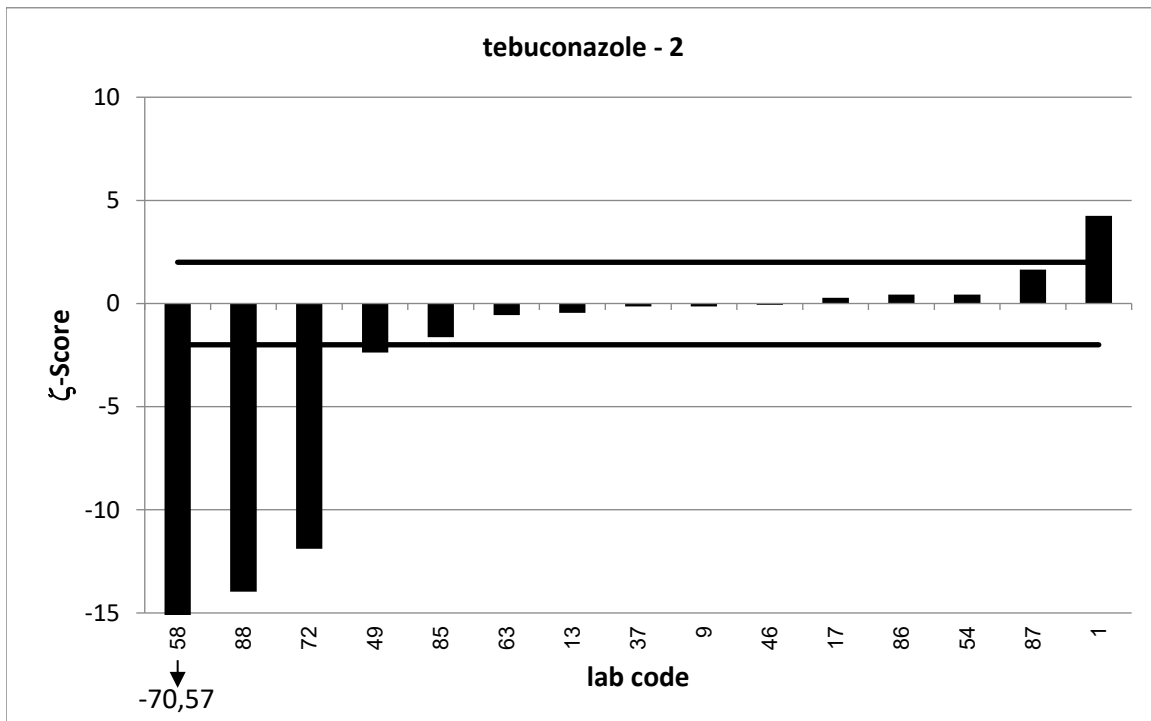
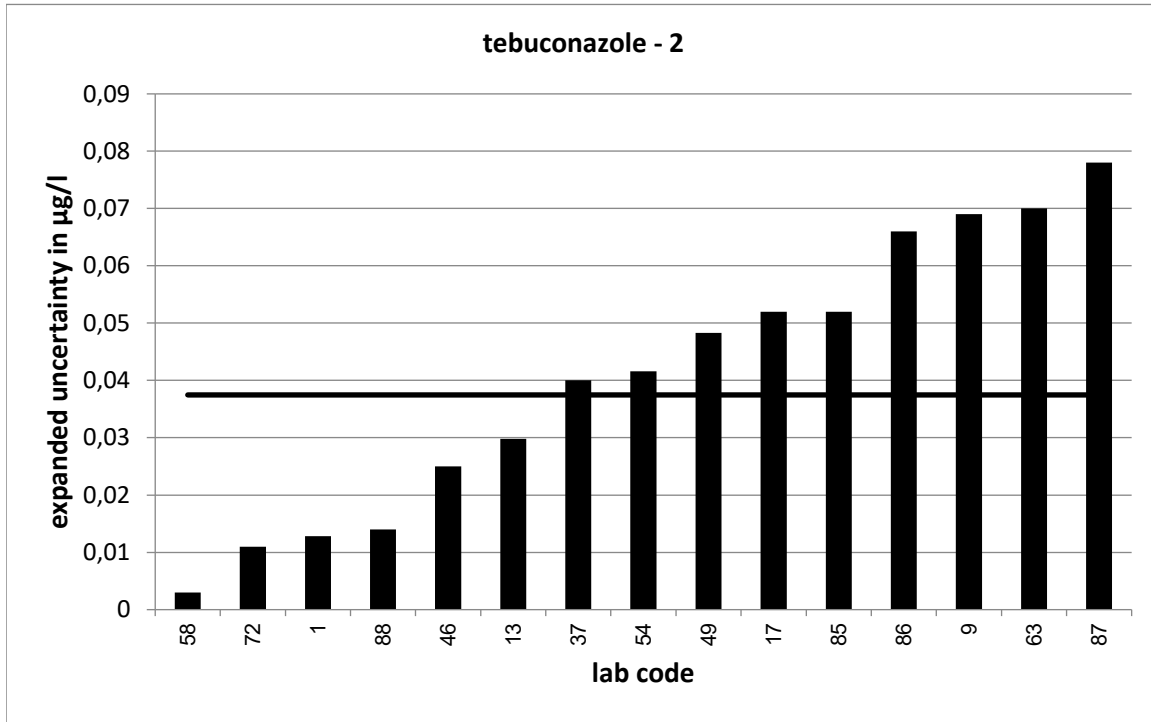


PT 7/20- TW O1		tebuconazole - 2			
assigned value [$\mu\text{g/l}$]*		0,2508 \pm 0,005			
upper tolerance limit [$\mu\text{g/l}$]		0,3145			
lower tolerance limit [$\mu\text{g/l}$]		0,1942			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,28	0,013	4,3	0,9	s
5	0,267			0,5	s
9	0,246	0,069	-0,1	-0,2	s
11	0,286			1,1	s
13	0,244	0,03	-0,4	-0,2	s
17	0,258	0,052	0,3	0,2	s
19	0,221			-1,1	s
25	0,0312			-7,8	u
32	0,2466			-0,1	s
35	0,219			-1,1	s
37	0,248	0,04	-0,1	-0,1	s
39	0,2302			-0,7	s
46	0,25	0,025	-0,1	0,0	s
49	0,193	0,048	-2,4	-2,0	s
54	0,26	0,042	0,4	0,3	s
56	0,247			-0,1	s
58	0,045	0,003	-70,6	-7,3	u
61	0,252			0,0	s
63	0,231	0,07	-0,6	-0,7	s
72	0,179	0,011	-11,9	-2,5	q
83	0,205			-1,6	s
85	0,208	0,052	-1,6	-1,5	s
86	0,265	0,066	0,4	0,4	s
87	0,315	0,078	1,6	2,0	s
88	0,147	0,014	-14,0	-3,7	u
92	0,264			0,4	s
94	0,233			-0,6	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

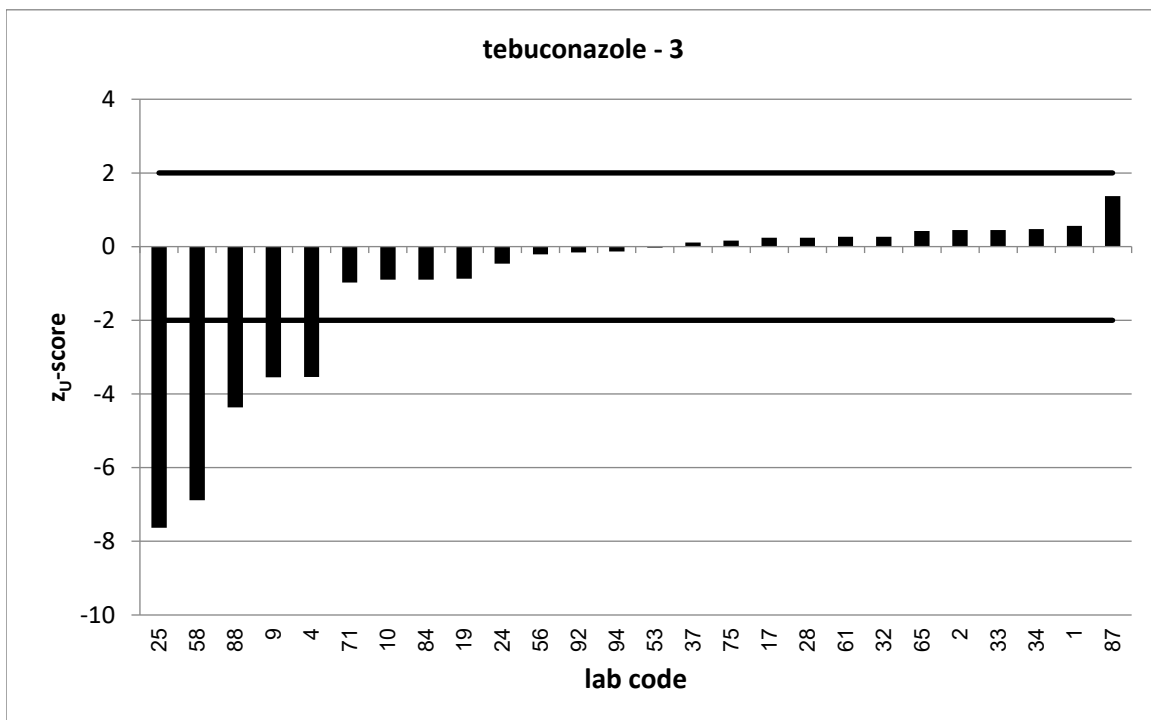
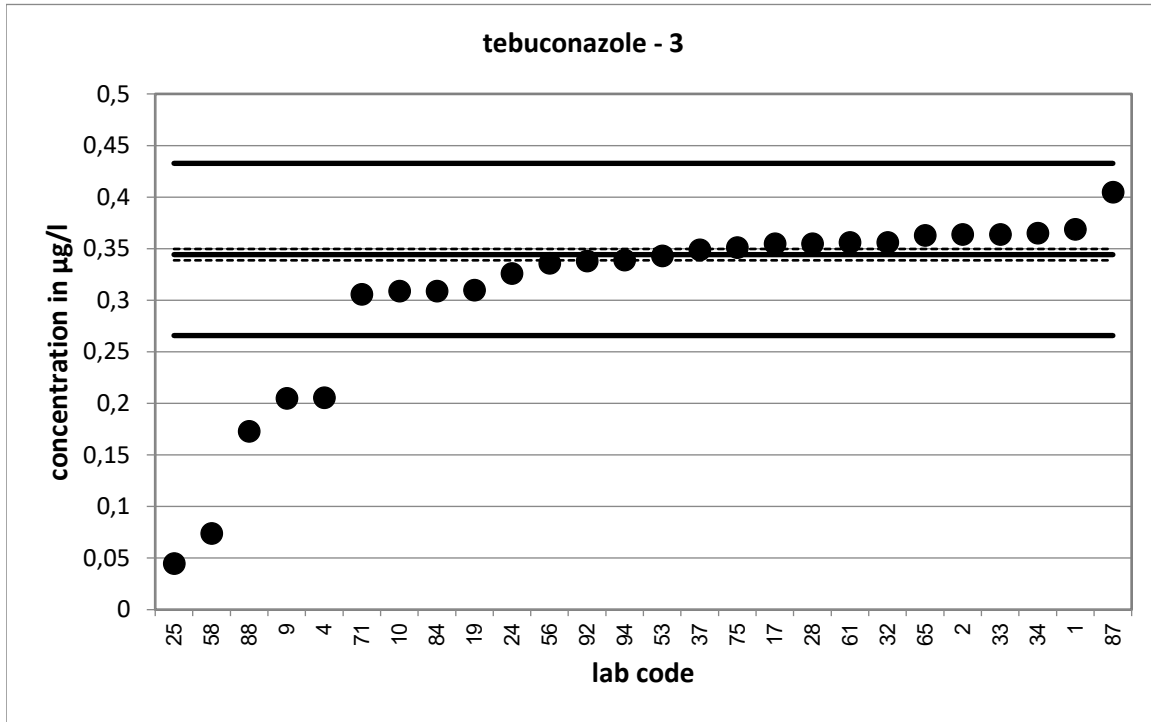


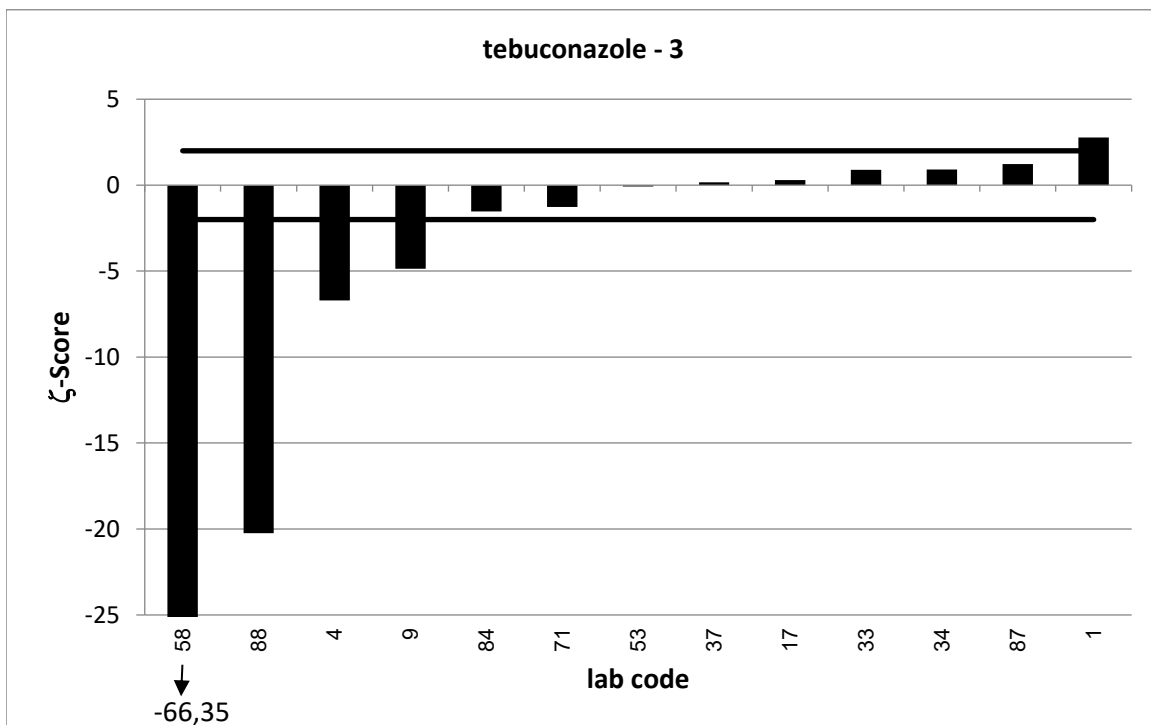
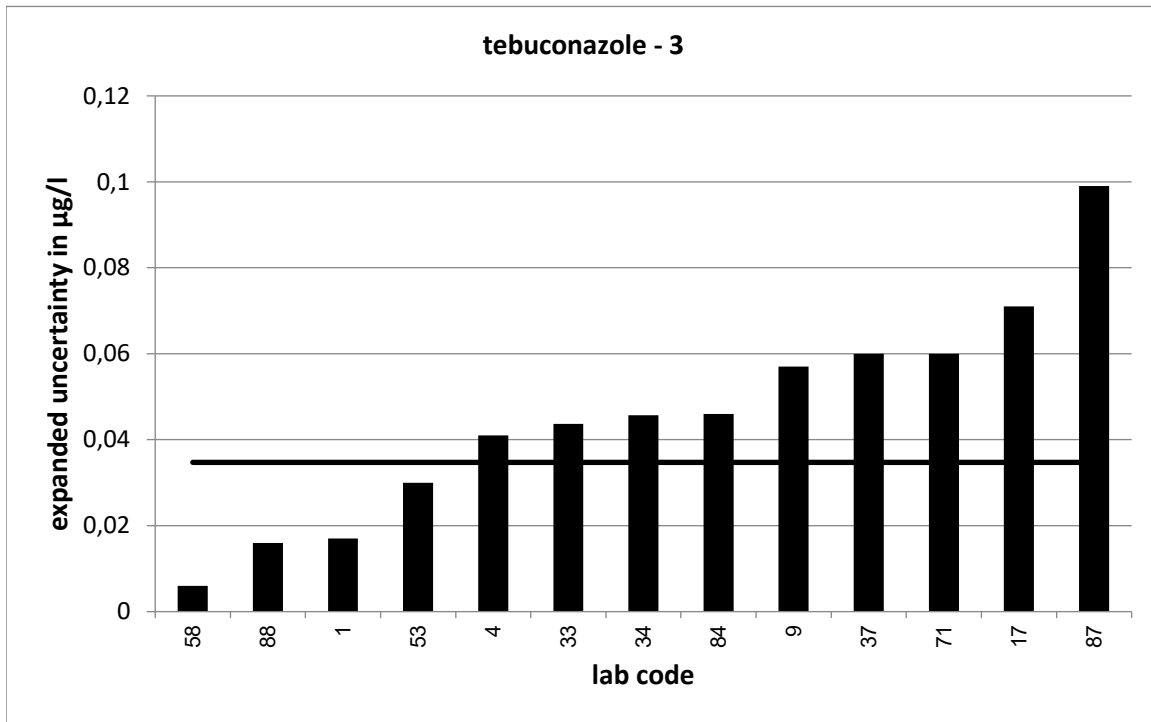


PT 7/20- TW O1		tebuconazole - 3			
assigned value [$\mu\text{g/l}$]*		0,3442 \pm 0,0055			
upper tolerance limit [$\mu\text{g/l}$]		0,4327			
lower tolerance limit [$\mu\text{g/l}$]		0,2657			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,369	0,017	2,8	0,6	s
2	0,364			0,4	s
4	0,2055	0,041	-6,7	-3,5	u
9	0,205	0,057	-4,9	-3,5	u
10	0,309			-0,9	s
17	0,355	0,071	0,3	0,2	s
19	0,31			-0,9	s
24	0,326			-0,5	s
25	0,0448			-7,6	u
28	0,355			0,2	s
32	0,3561			0,3	s
33	0,364	0,044	0,9	0,4	s
34	0,3651	0,046	0,9	0,5	s
37	0,349	0,06	0,2	0,1	s
53	0,343	0,03	-0,1	0,0	s
56	0,336			-0,2	s
58	0,074	0,006	-66,3	-6,9	u
61	0,356			0,3	s
65	0,363			0,4	s
71	0,306	0,06	-1,3	-1,0	s
75	0,3513			0,2	s
84	0,309	0,046	-1,5	-0,9	s
87	0,405	0,099	1,2	1,4	s
88	0,173	0,016	-20,2	-4,4	u
92	0,338			-0,2	s
94	0,339			-0,1	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

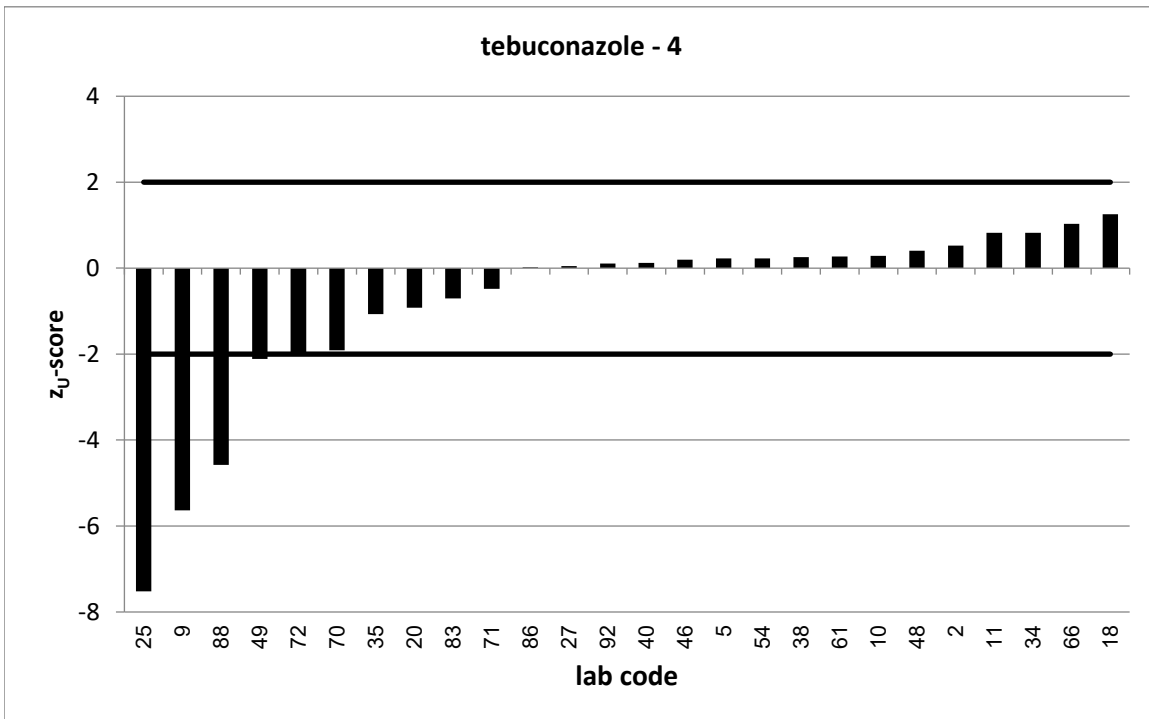
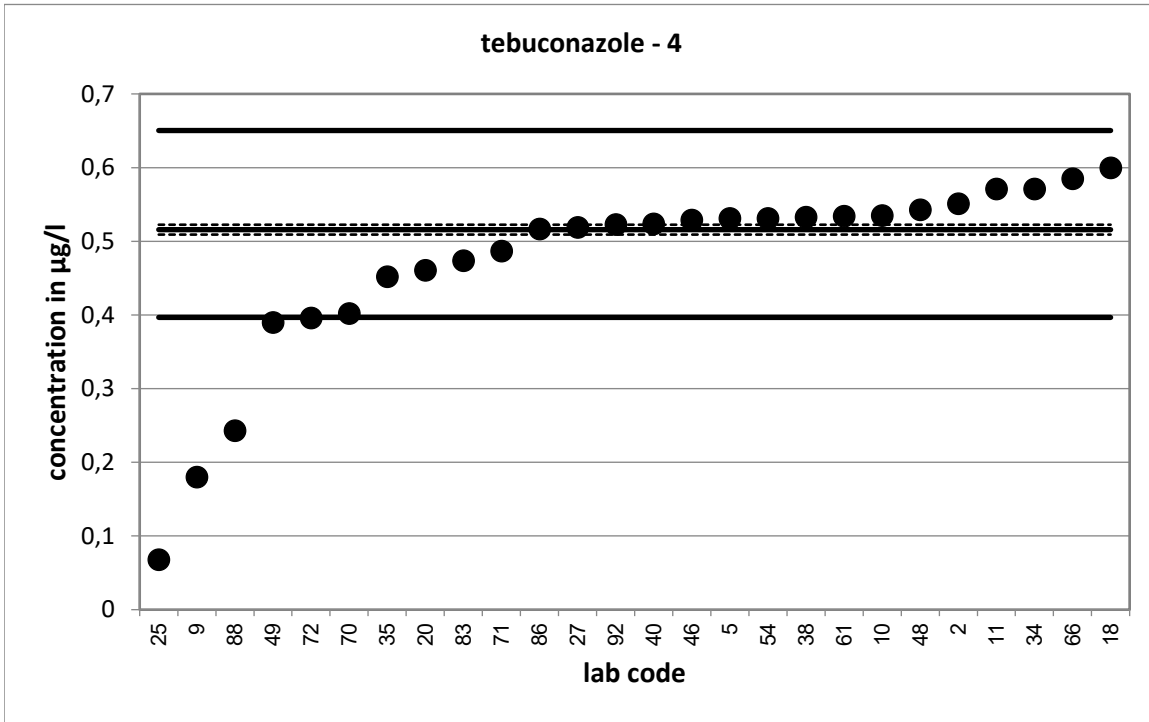


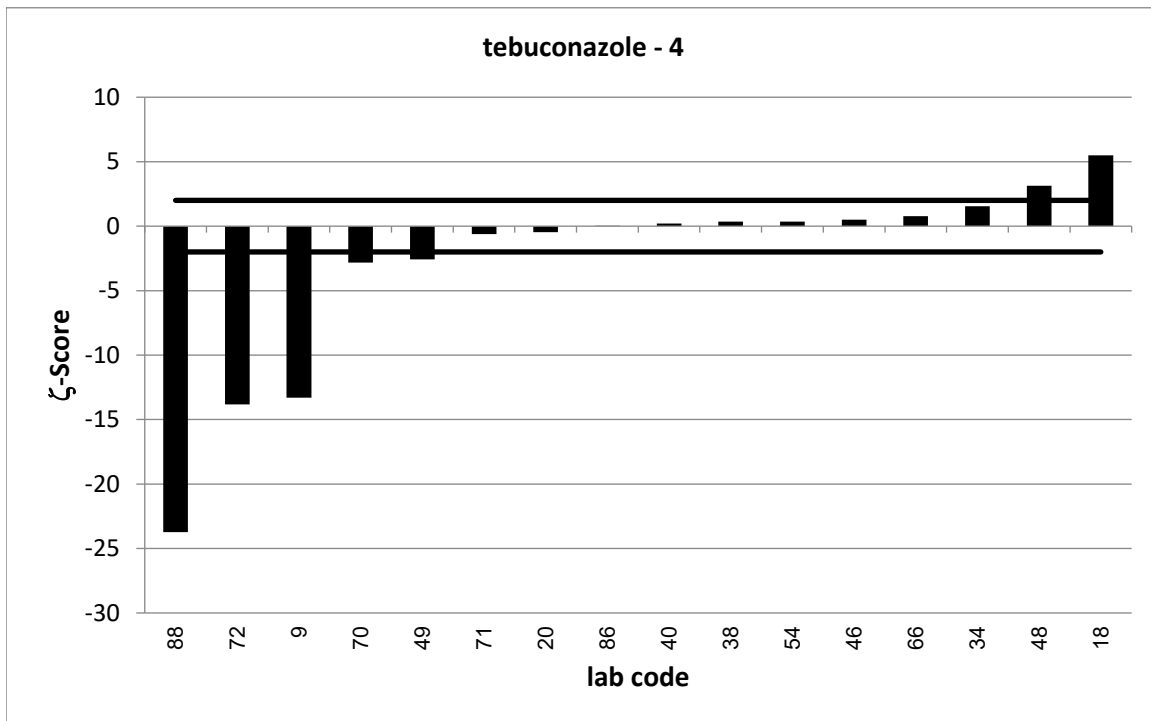
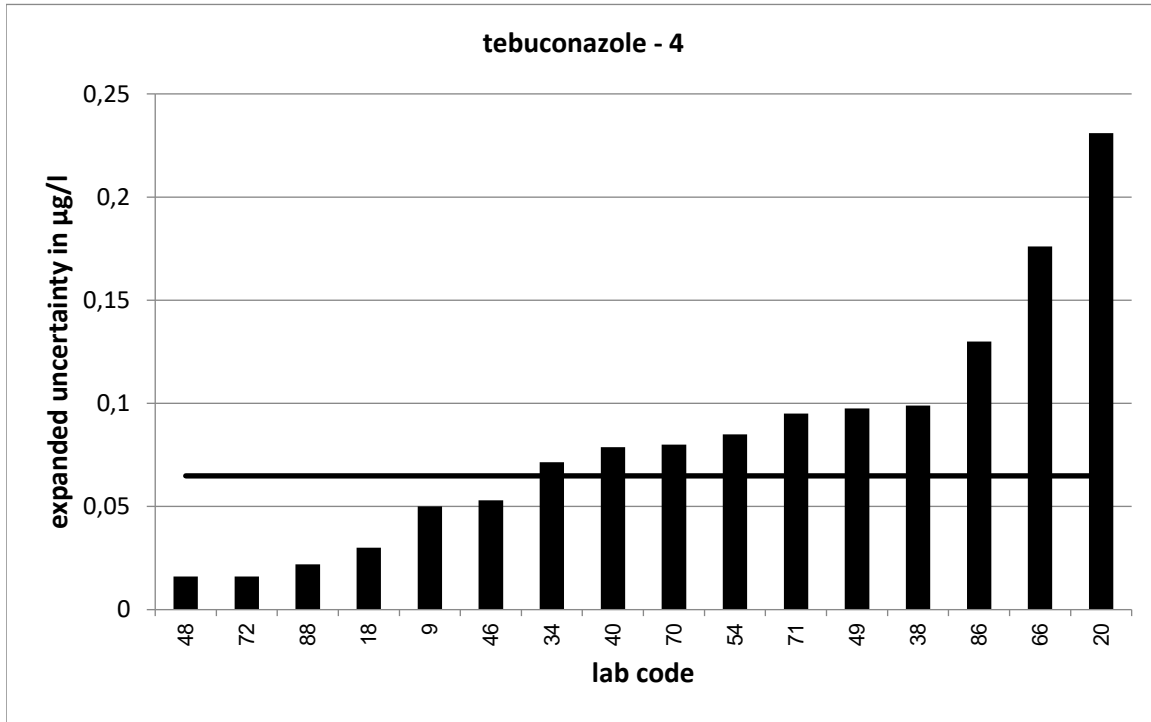


PT 7/20- TW O1		tebuconazole - 4			
assigned value [$\mu\text{g/l}$]*		0,5158 \pm 0,0067			
upper tolerance limit [$\mu\text{g/l}$]		0,6503			
lower tolerance limit [$\mu\text{g/l}$]		0,3967			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,551			0,5	s
5	0,531			0,2	s
9	0,18	0,05	-13,3	-5,6	u
10	0,535			0,3	s
11	0,571			0,8	s
18	0,6	0,03	5,5	1,3	s
20	0,461	0,231	-0,5	-0,9	s
25	0,0679			-7,5	u
27	0,519			0,0	s
34	0,5712	0,072	1,5	0,8	s
35	0,452			-1,1	s
38	0,533	0,099	0,3	0,3	s
40	0,524	0,079	0,2	0,1	s
46	0,529	0,053	0,5	0,2	s
48	0,543	0,016	3,1	0,4	s
49	0,39	0,098	-2,6	-2,1	q
54	0,531	0,085	0,4	0,2	s
61	0,534			0,3	s
66	0,585	0,176	0,8	1,0	s
70	0,402	0,08	-2,8	-1,9	s
71	0,487	0,095	-0,6	-0,5	s
72	0,396	0,016	-13,8	-2,0	s
83	0,474			-0,7	s
86	0,517	0,13	0,0	0,0	s
88	0,243	0,022	-23,7	-4,6	u
92	0,523			0,1	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

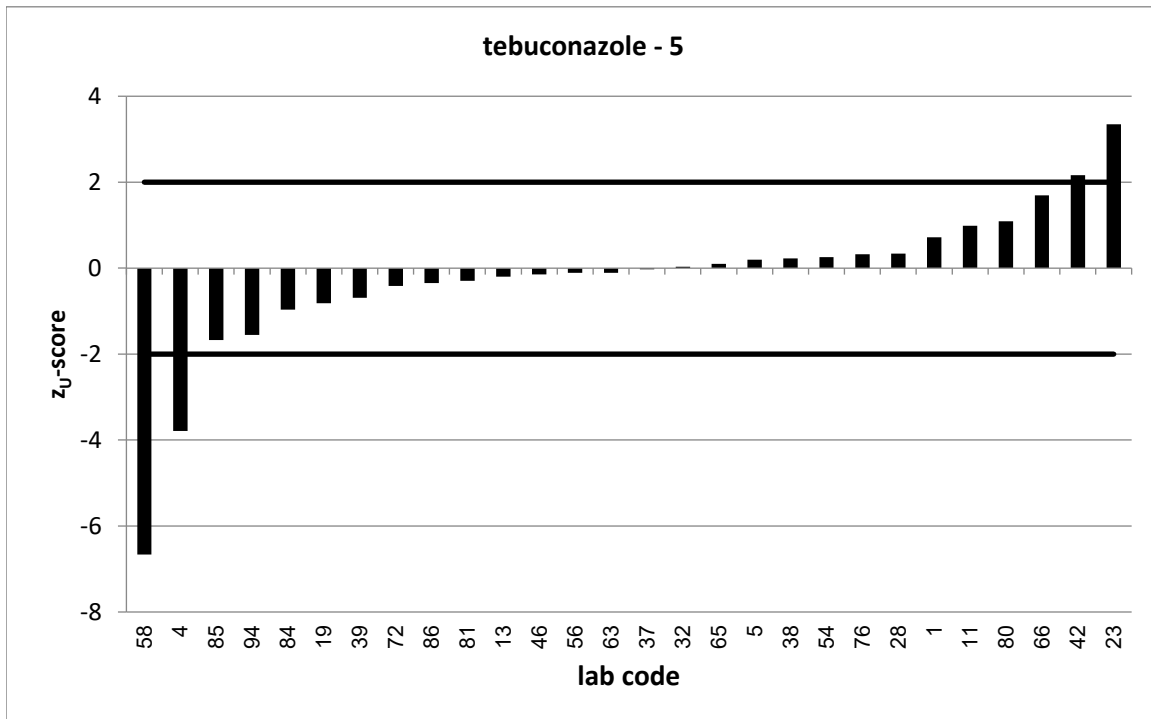
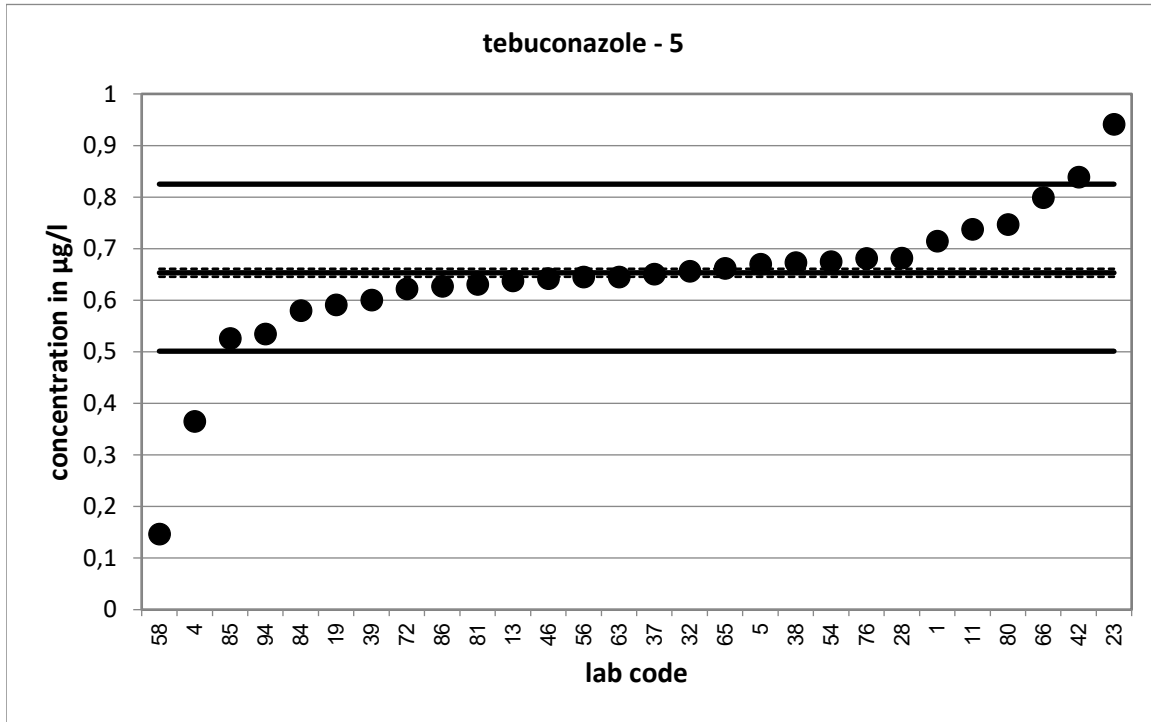


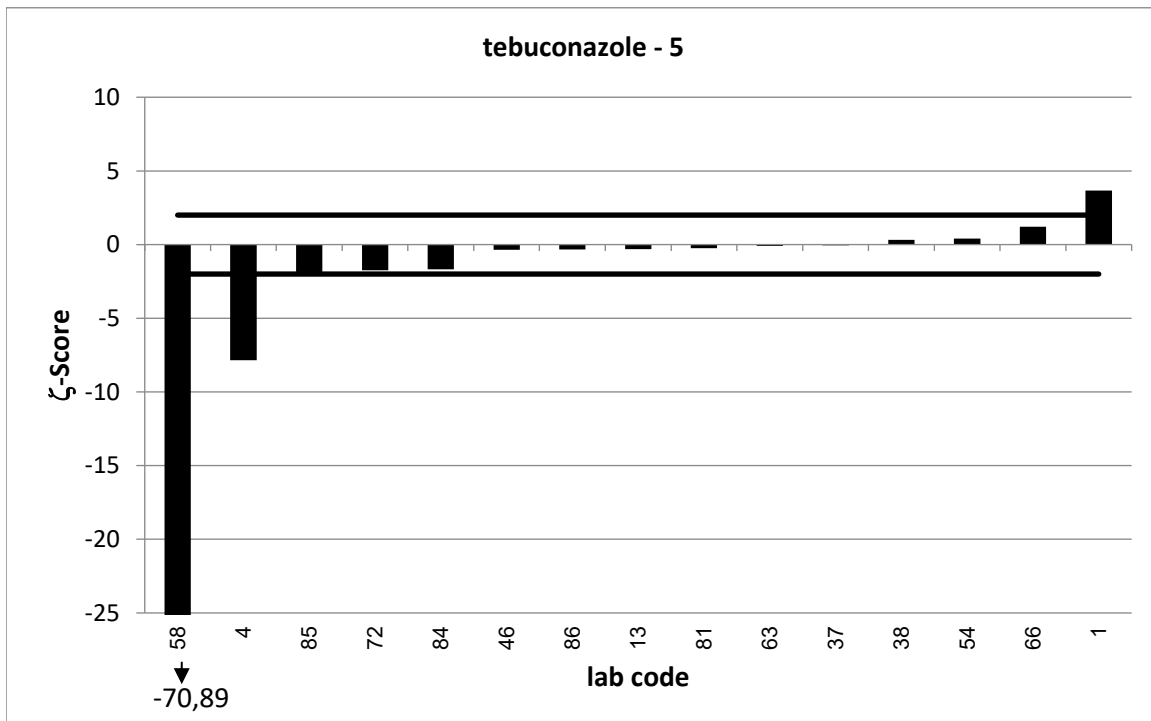
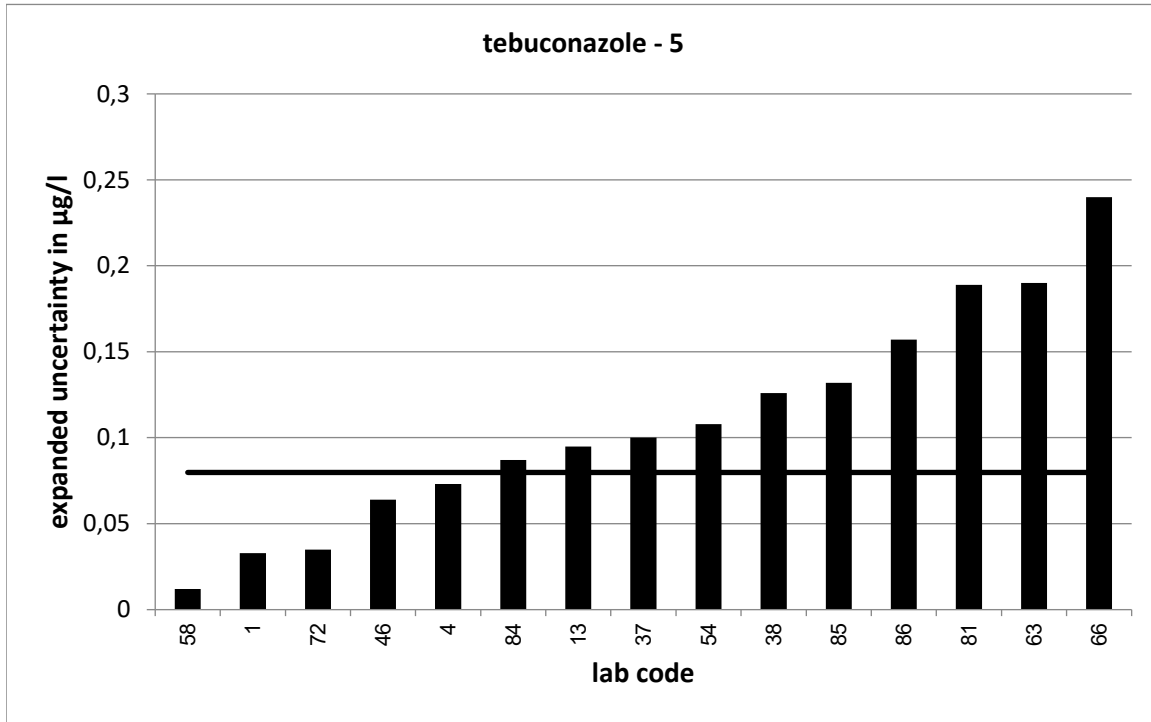


PT 7/20- TW O1		tebuconazole - 5			
assigned value [$\mu\text{g/l}$]*		0,6532 \pm 0,0077			
upper tolerance limit [$\mu\text{g/l}$]		0,825			
lower tolerance limit [$\mu\text{g/l}$]		0,5012			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,715	0,033	3,7	0,7	s
4	0,3655	0,073	-7,8	-3,8	u
5	0,67			0,2	s
11	0,738			1,0	s
13	0,638	0,095	-0,3	-0,2	s
19	0,591			-0,8	s
23	0,941			3,3	u
28	0,682			0,3	s
32	0,6563			0,0	s
37	0,651	0,1	0,0	0,0	s
38	0,673	0,126	0,3	0,2	s
39	0,6008			-0,7	s
42	0,839			2,2	q
46	0,642	0,064	-0,3	-0,1	s
54	0,675	0,108	0,4	0,3	s
56	0,645			-0,1	s
58	0,147	0,012	-70,9	-6,7	u
63	0,645	0,19	-0,1	-0,1	s
65	0,662			0,1	s
66	0,799	0,24	1,2	1,7	s
72	0,622	0,035	-1,7	-0,4	s
76	0,681			0,3	s
80	0,747			1,1	s
81	0,631	0,189	-0,2	-0,3	s
84	0,58	0,087	-1,7	-1,0	s
85	0,526	0,132	-1,9	-1,7	s
86	0,627	0,157	-0,3	-0,3	s
94	0,535			-1,6	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

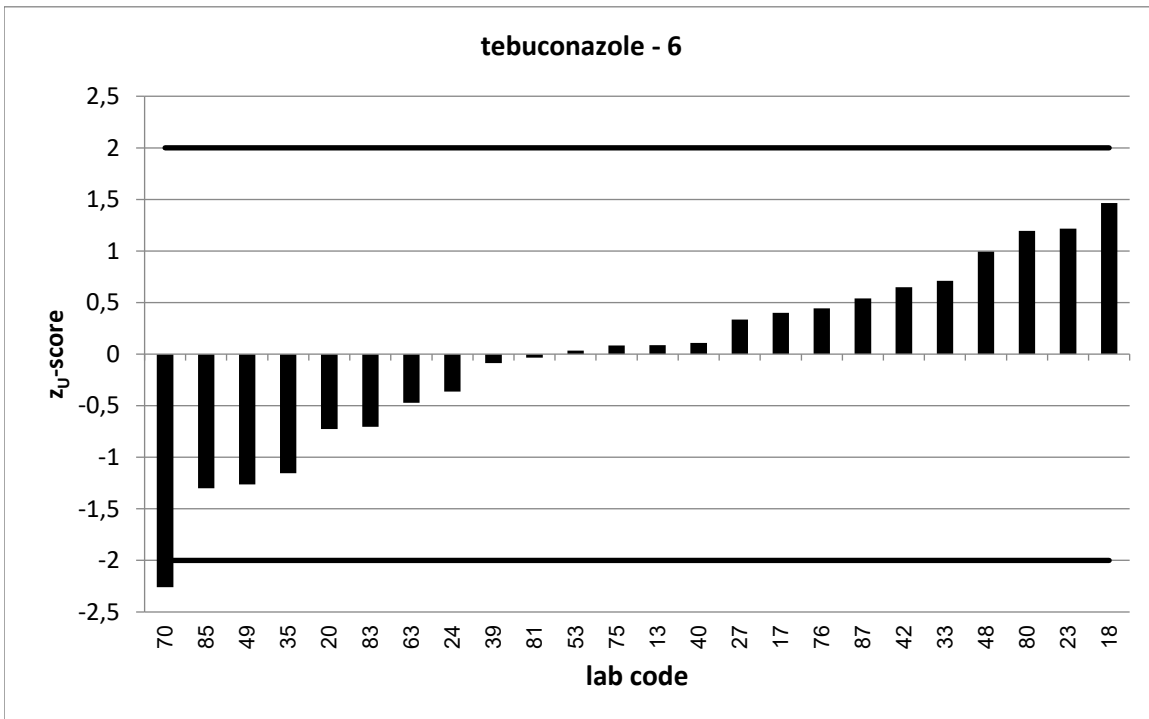
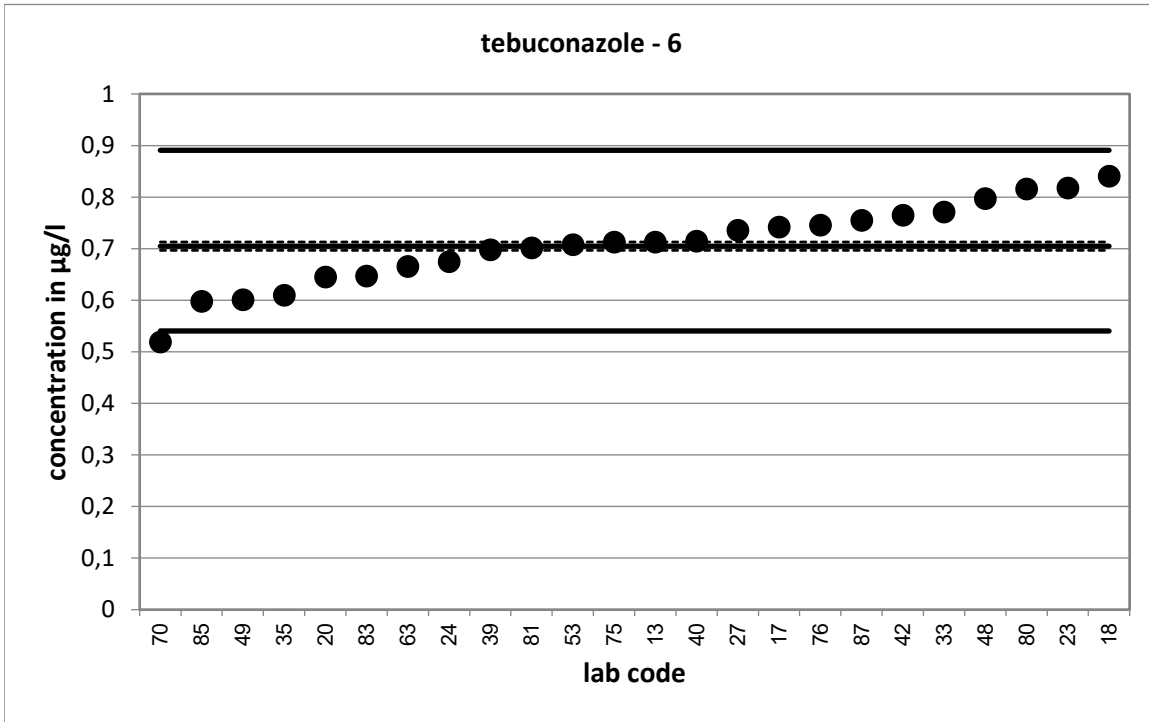


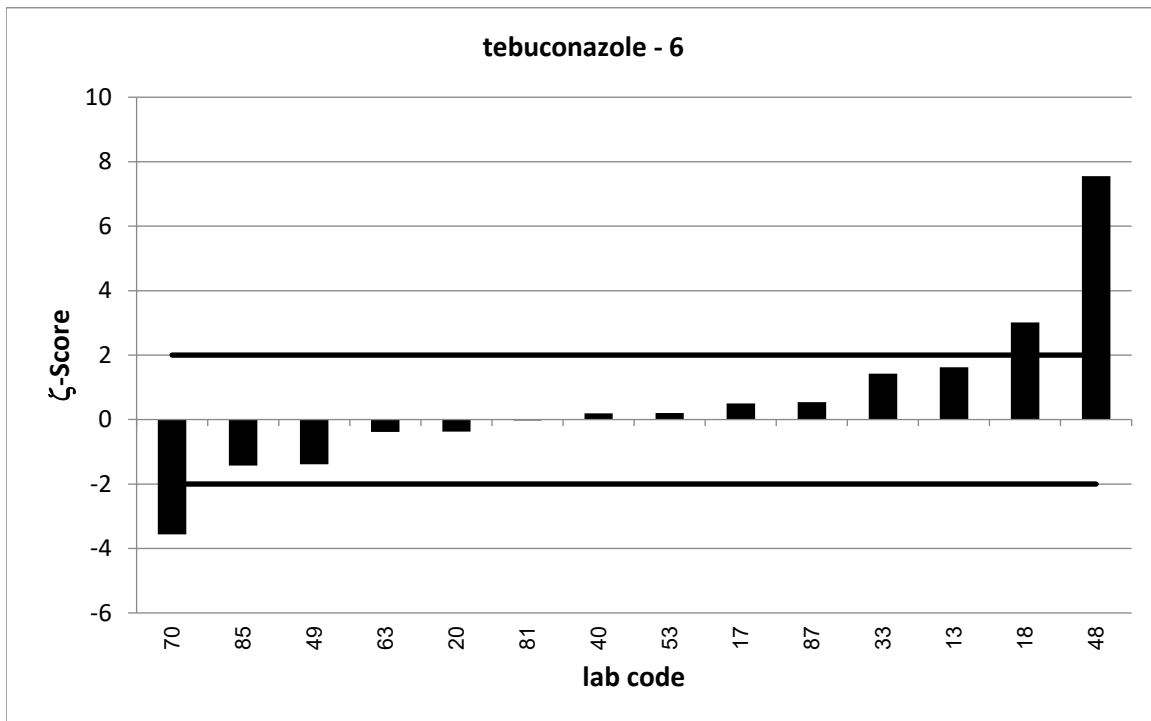
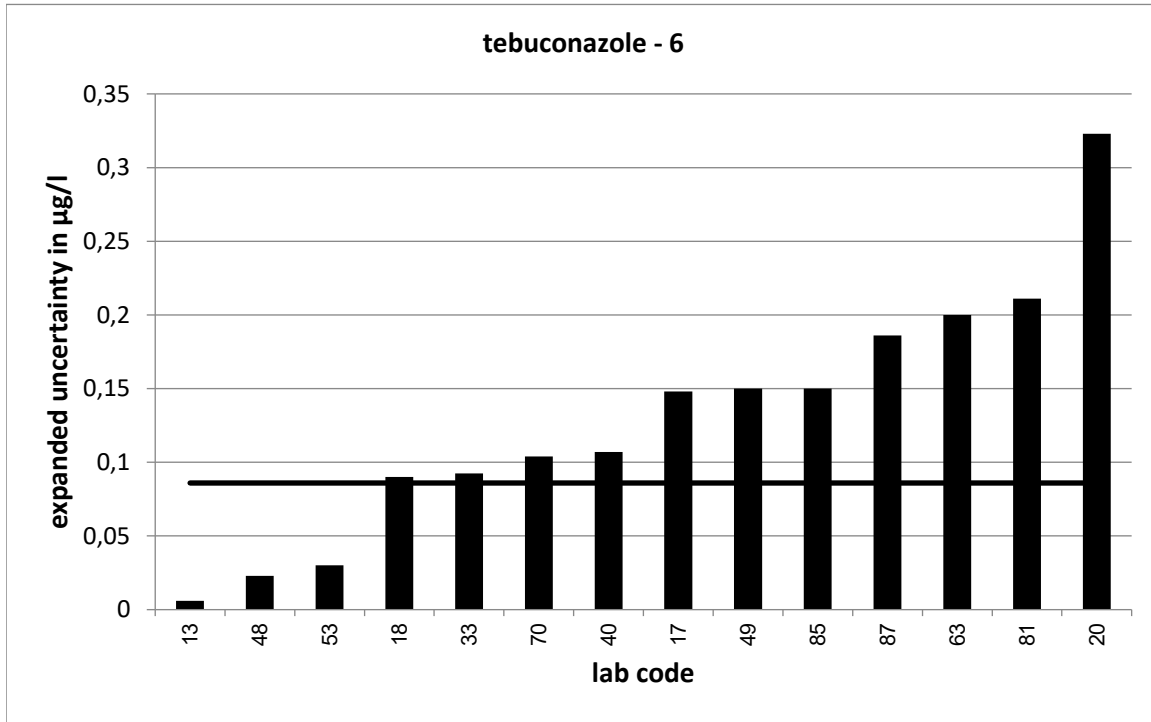


PT 7/20- TW O1		tebuconazole - 6			
assigned value [$\mu\text{g/l}$]*		0,7048 \pm 0,0082			
upper tolerance limit [$\mu\text{g/l}$]		0,8907			
lower tolerance limit [$\mu\text{g/l}$]		0,5404			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
13	0,713	0,006	1,6	0,1	s
17	0,742	0,148	0,5	0,4	s
18	0,841	0,09	3,0	1,5	s
20	0,645	0,323	-0,4	-0,7	s
23	0,818			1,2	s
24	0,675			-0,4	s
27	0,736			0,3	s
33	0,771	0,093	1,4	0,7	s
35	0,61			-1,2	s
39	0,6977			-0,1	s
40	0,715	0,107	0,2	0,1	s
42	0,765			0,6	s
48	0,797	0,023	7,6	1,0	s
49	0,601	0,15	-1,4	-1,3	s
53	0,708	0,03	0,2	0,0	s
63	0,666	0,2	-0,4	-0,5	s
70	0,519	0,104	-3,6	-2,3	q
75	0,7126			0,1	s
76	0,746			0,4	s
80	0,816			1,2	s
81	0,702	0,211	0,0	0,0	s
83	0,647			-0,7	s
85	0,598	0,15	-1,4	-1,3	s
87	0,755	0,186	0,5	0,5	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

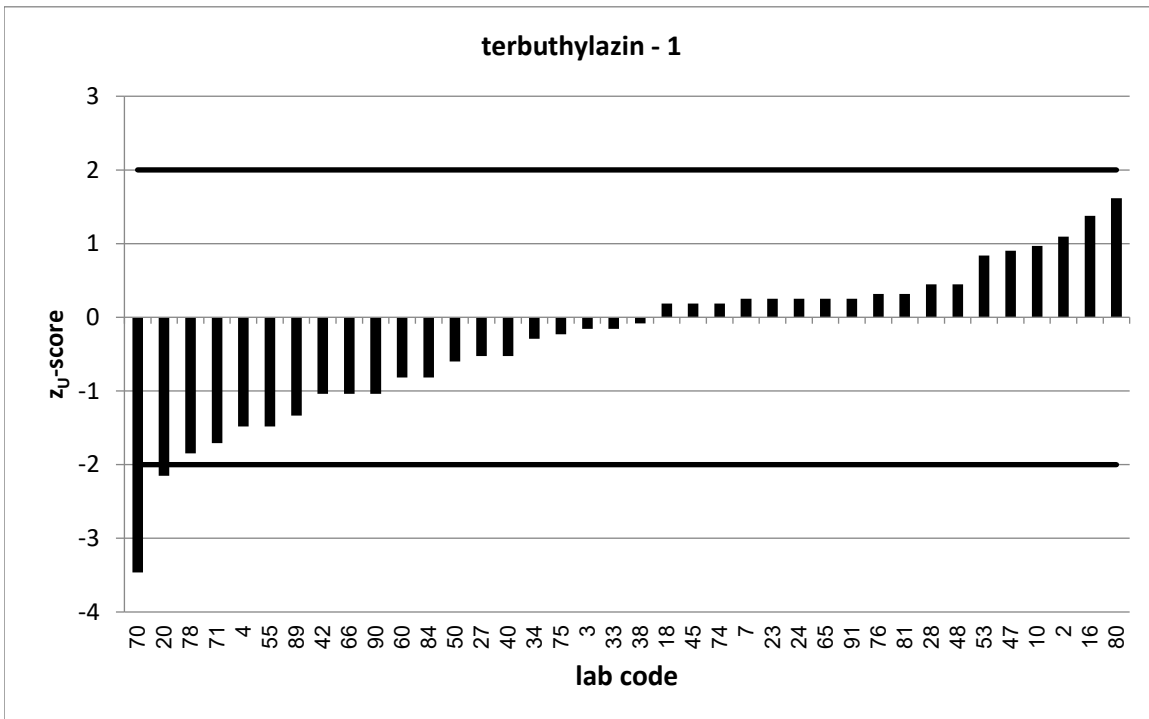
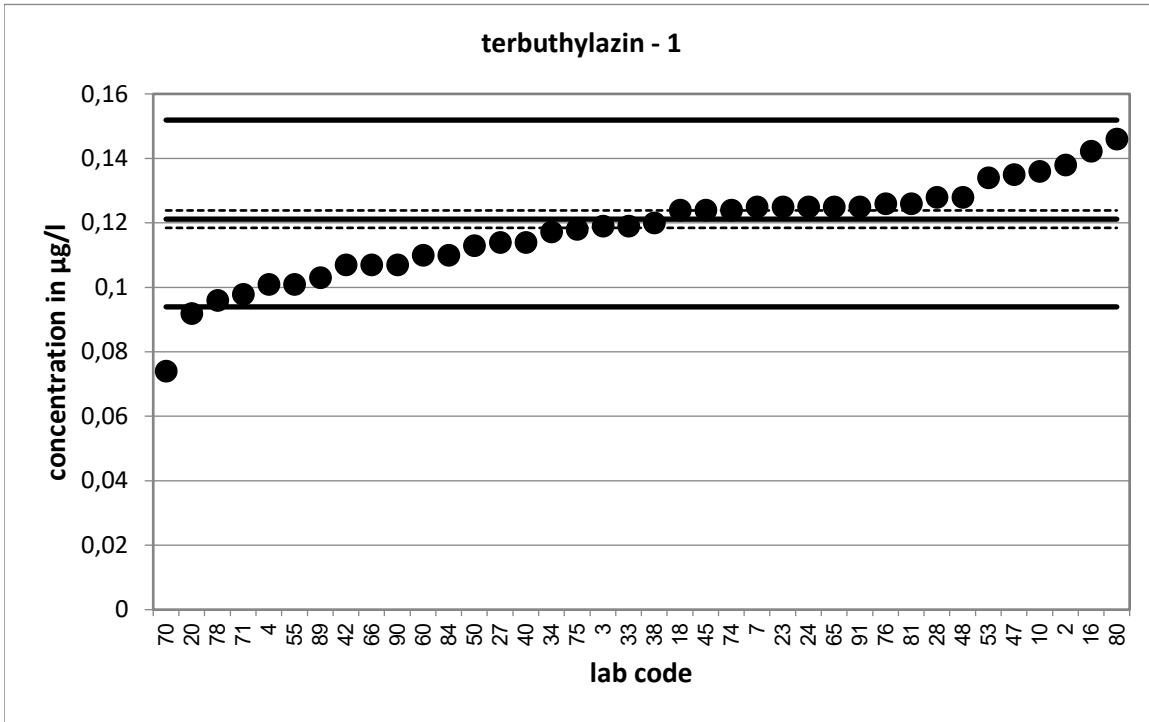


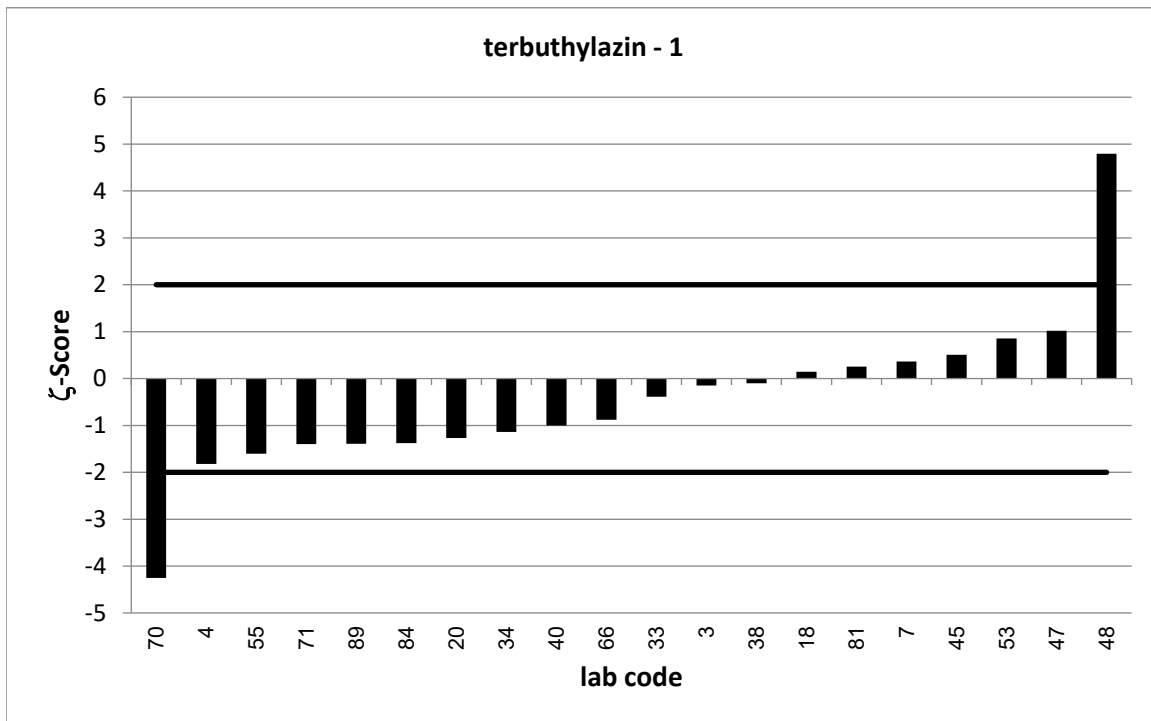
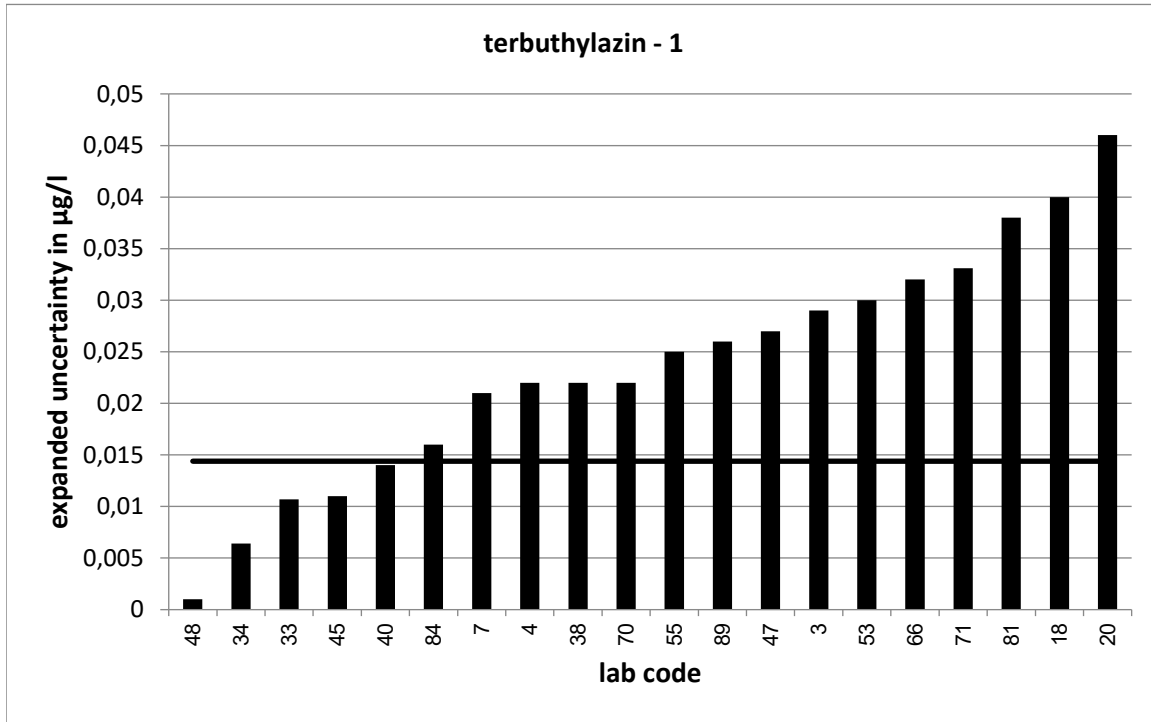


PT 7/20- TW O1		terbutylazin - 1			
assigned value [$\mu\text{g/l}$]*		0,1212 \pm 0,0027			
upper tolerance limit [$\mu\text{g/l}$]		0,1519			
lower tolerance limit [$\mu\text{g/l}$]		0,09393			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,138			1,1	s
3	0,119	0,029	-0,1	-0,2	s
4	0,101	0,022	-1,8	-1,5	s
7	0,125	0,021	0,4	0,3	s
10	0,136			1,0	s
16	0,1423			1,4	s
18	0,124	0,04	0,1	0,2	s
20	0,0919	0,046	-1,3	-2,1	q
23	0,125			0,3	s
24	0,125			0,3	s
27	0,114			-0,5	s
28	0,128			0,4	s
33	0,119	0,011	-0,4	-0,2	s
34	0,1172	0,006	-1,1	-0,3	s
38	0,12	0,022	-0,1	-0,1	s
40	0,114	0,014	-1,0	-0,5	s
42	0,107			-1,0	s
45	0,124	0,011	0,5	0,2	s
47	0,135	0,027	1,0	0,9	s
48	0,128	0,001	4,8	0,4	s
50	0,113			-0,6	s
53	0,134	0,03	0,9	0,8	s
55	0,101	0,025	-1,6	-1,5	s
60	0,11			-0,8	s
65	0,125			0,3	s
66	0,107	0,032	-0,9	-1,0	s
70	0,074	0,022	-4,3	-3,5	u
71	0,0979	0,033	-1,4	-1,7	s
74	0,124			0,2	s
75	0,118			-0,2	s
76	0,126			0,3	s
78	0,096			-1,8	s
80	0,146			1,6	s
81	0,126	0,038	0,3	0,3	s
84	0,11	0,016	-1,4	-0,8	s
89	0,103	0,026	-1,4	-1,3	s
90	0,107			-1,0	s
91	0,125			0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

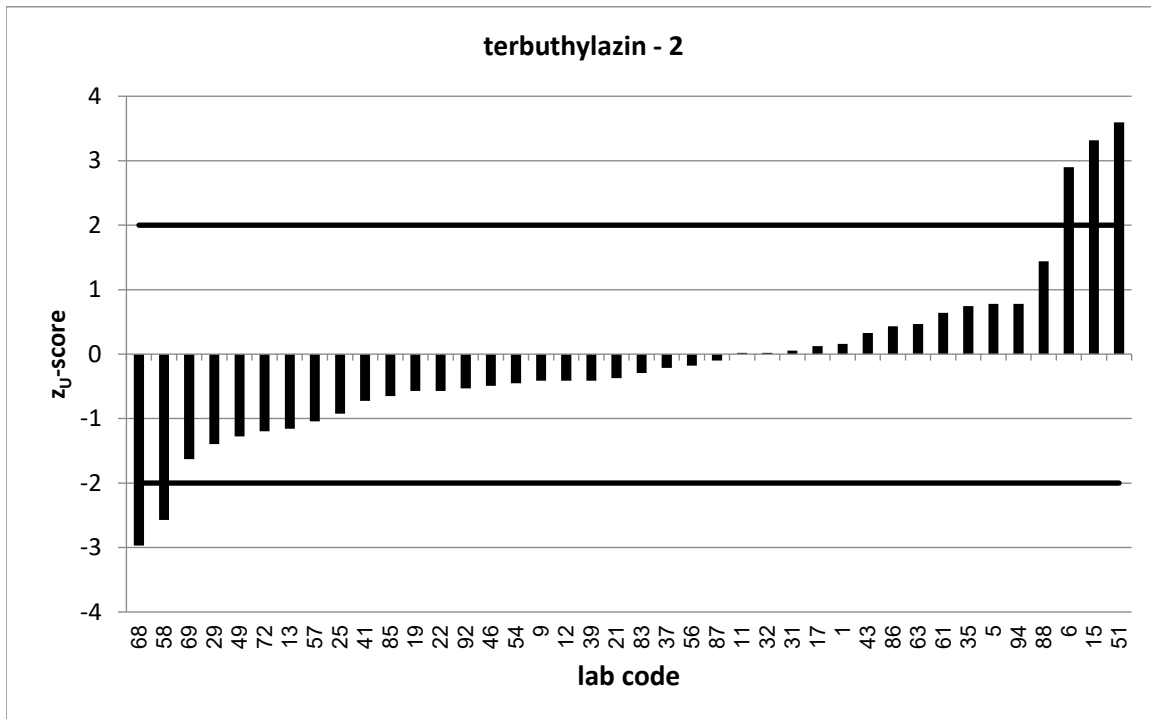
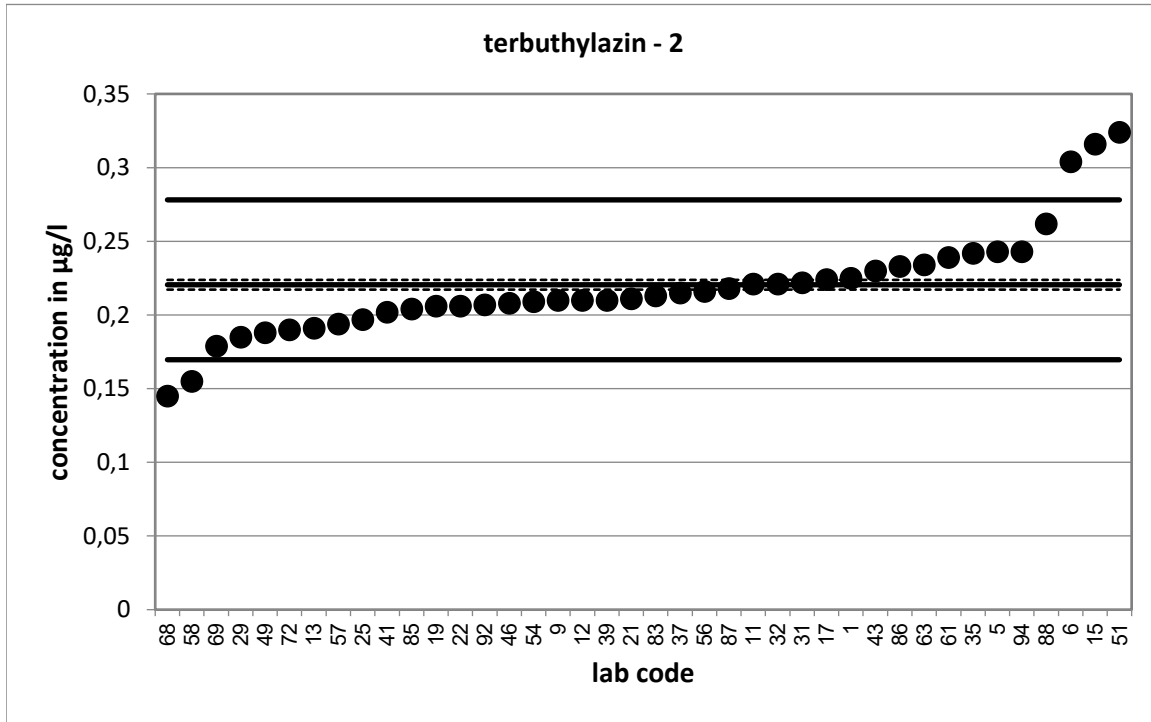


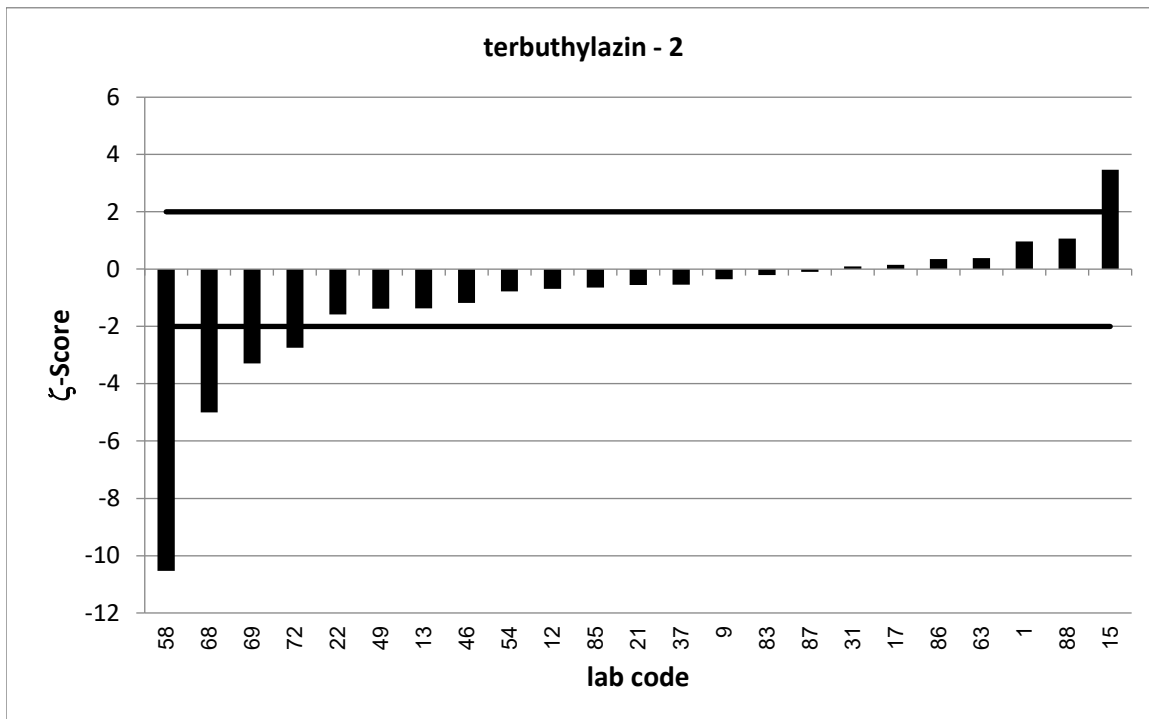
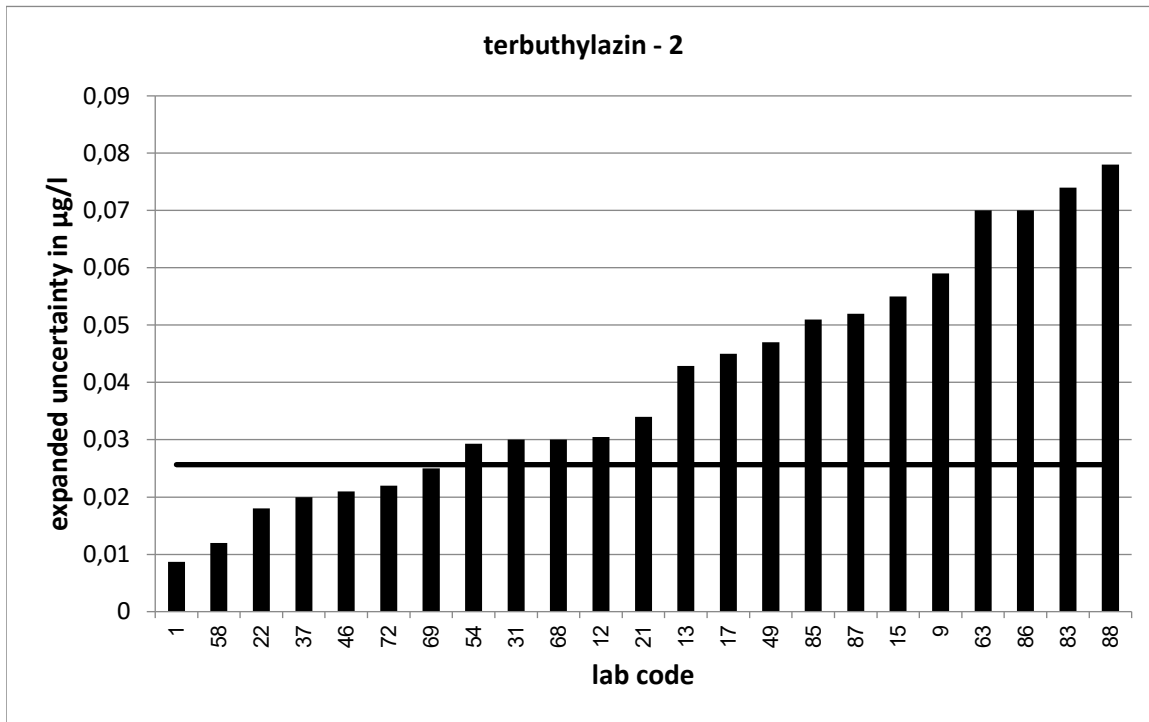


PT 7/20- TW O1		terbuthylazin - 2			
assigned value [$\mu\text{g/l}$]*		0,2205 \pm 0,0033			
upper tolerance limit [$\mu\text{g/l}$]		0,2781			
lower tolerance limit [$\mu\text{g/l}$]		0,1696			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,225	0,009	1,0	0,2	s
5	0,243			0,8	s
6	0,304			2,9	q
9	0,21	0,059	-0,4	-0,4	s
11	0,221			0,0	s
12	0,21	0,031	-0,7	-0,4	s
13	0,191	0,043	-1,4	-1,2	s
15	0,316	0,055	3,5	3,3	u
17	0,224	0,045	0,2	0,1	s
19	0,206			-0,6	s
21	0,211	0,034	-0,6	-0,4	s
22	0,206	0,018	-1,6	-0,6	s
25	0,197			-0,9	s
29	0,185			-1,4	s
31	0,222	0,03	0,1	0,1	s
32	0,221			0,0	s
35	0,242			0,7	s
37	0,215	0,02	-0,5	-0,2	s
39	0,21			-0,4	s
41	0,202			-0,7	s
43	0,23			0,3	s
46	0,208	0,021	-1,2	-0,5	s
49	0,188	0,047	-1,4	-1,3	s
51	0,324			3,6	u
54	0,209	0,029	-0,8	-0,5	s
56	0,216			-0,2	s
57	0,194			-1,0	s
58	0,155	0,012	-10,5	-2,6	q
61	0,239			0,6	s
63	0,234	0,07	0,4	0,5	s
68	0,145	0,03	-5,0	-3,0	u
69	0,179	0,025	-3,3	-1,6	s
72	0,19	0,022	-2,7	-1,2	s
83	0,213	0,074	-0,2	-0,3	s
85	0,204	0,051	-0,6	-0,6	s
86	0,233	0,07	0,4	0,4	s
87	0,218	0,052	-0,1	-0,1	s
88	0,262	0,078	1,1	1,4	s
92	0,207			-0,5	s
94	0,243			0,8	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

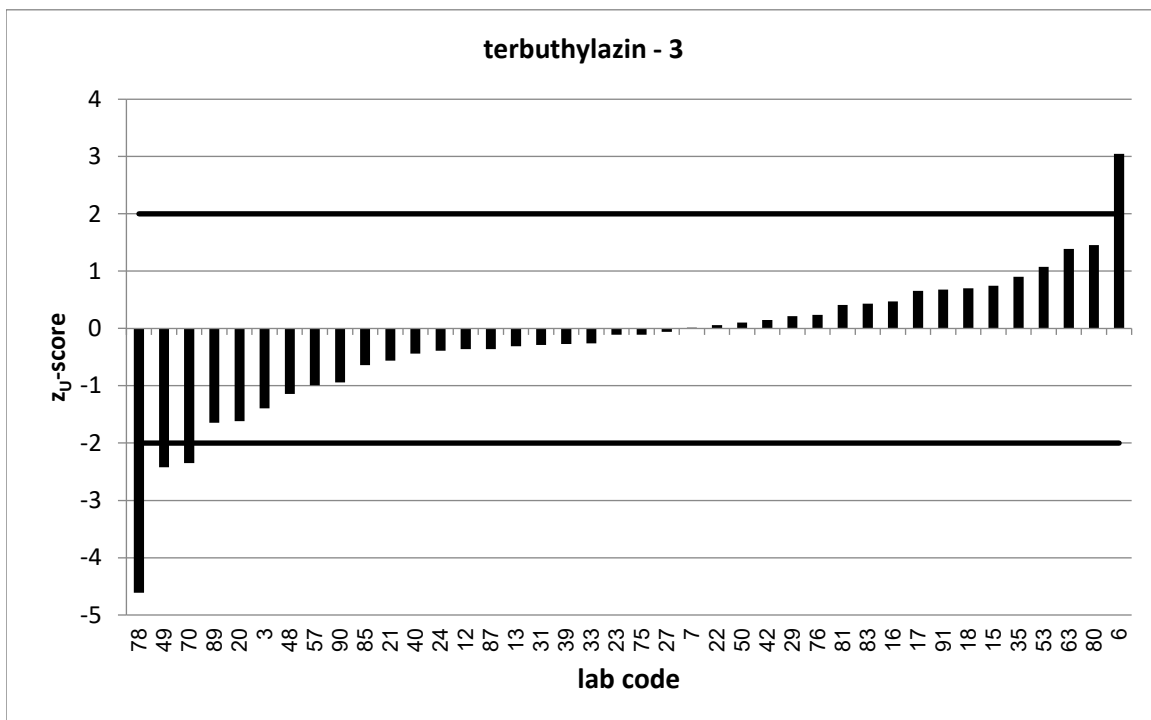
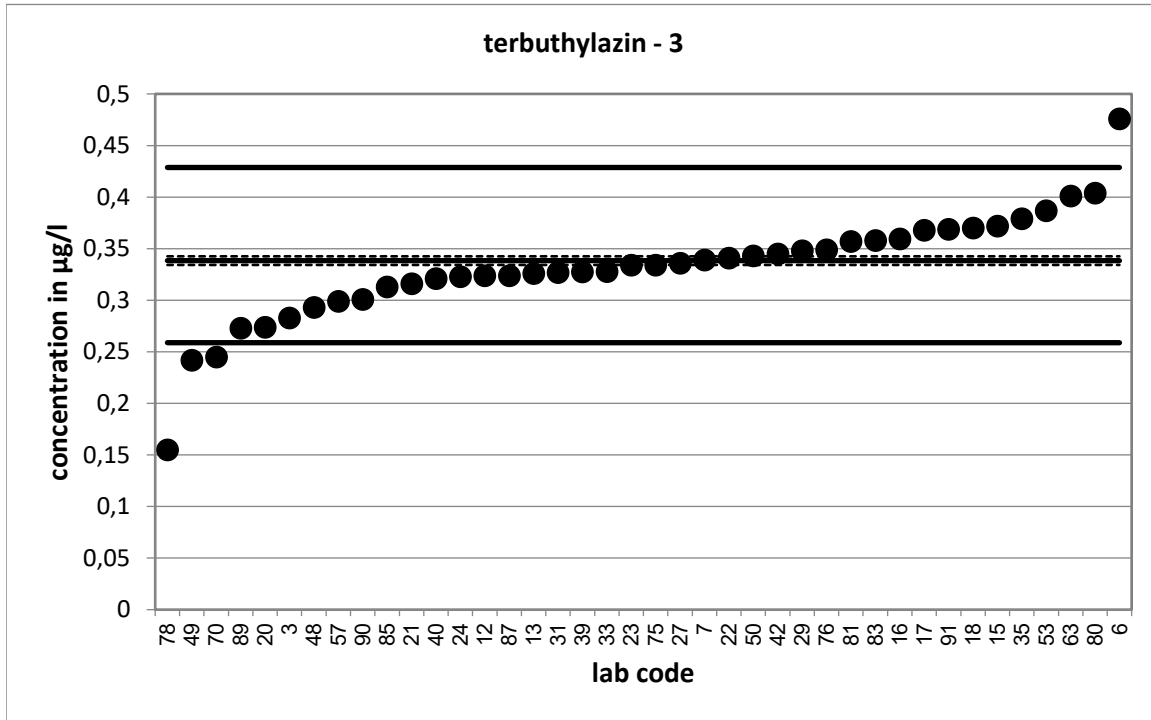


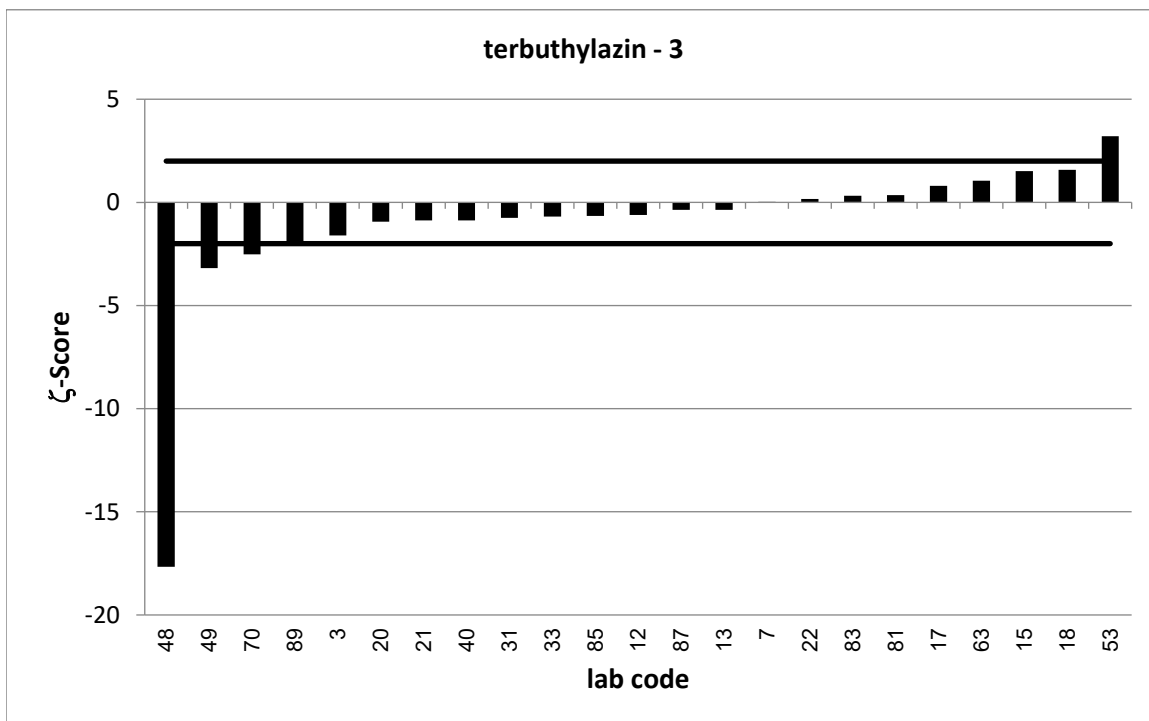
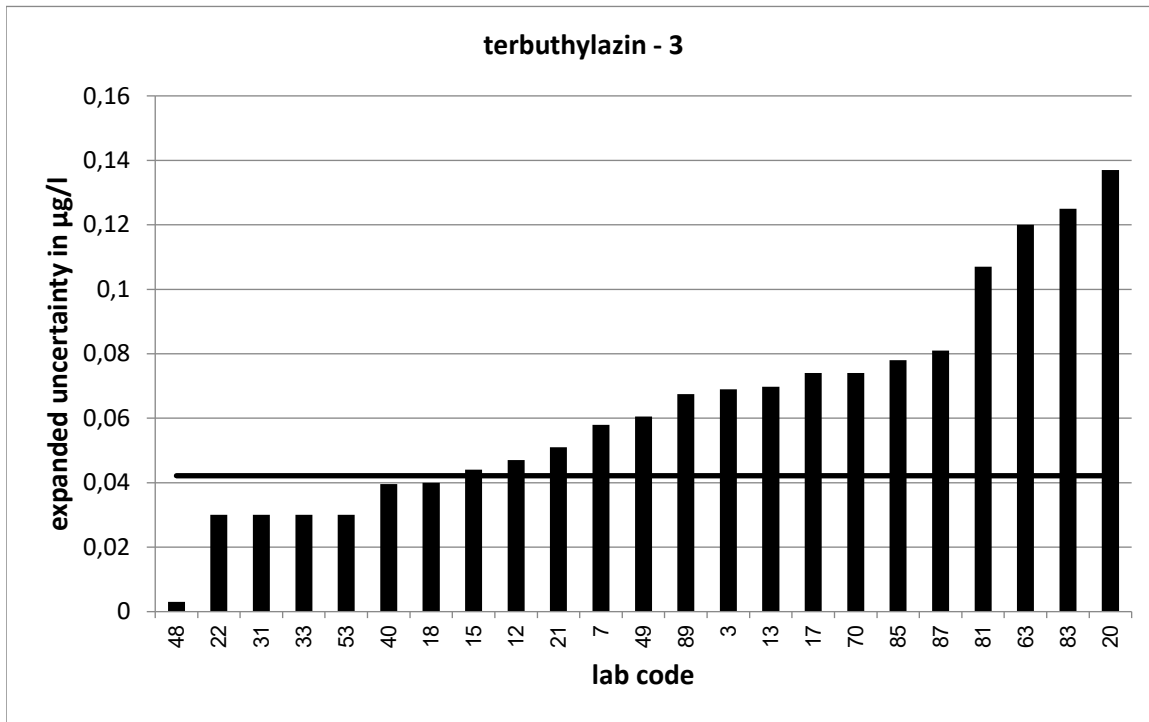


PT 7/20- TW O1		terbutylazin - 3			
assigned value [$\mu\text{g/l}$]*		0,3384 \pm 0,0042			
upper tolerance limit [$\mu\text{g/l}$]		0,4287			
lower tolerance limit [$\mu\text{g/l}$]		0,2588			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
3	0,283	0,069	-1,6	-1,4	s
6	0,476			3,0	u
7	0,339	0,058	0,0	0,0	s
12	0,324	0,047	-0,6	-0,4	s
13	0,326	0,07	-0,4	-0,3	s
15	0,372	0,044	1,5	0,7	s
16	0,3597			0,5	s
17	0,368	0,074	0,8	0,7	s
18	0,37	0,04	1,6	0,7	s
20	0,274	0,137	-0,9	-1,6	s
21	0,316	0,051	-0,9	-0,6	s
22	0,341	0,03	0,2	0,1	s
23	0,334			-0,1	s
24	0,323			-0,4	s
27	0,336			-0,1	s
29	0,348			0,2	s
31	0,327	0,03	-0,8	-0,3	s
33	0,328	0,03	-0,7	-0,3	s
35	0,379			0,9	s
39	0,3277			-0,3	s
40	0,321	0,04	-0,9	-0,4	s
42	0,345			0,1	s
48	0,293	0,003	-17,7	-1,1	s
49	0,242	0,061	-3,2	-2,4	q
50	0,343			0,1	s
53	0,387	0,03	3,2	1,1	s
57	0,299			-1,0	s
63	0,401	0,12	1,0	1,4	s
70	0,245	0,074	-2,5	-2,3	q
75	0,334			-0,1	s
76	0,349			0,2	s
78	0,155			-4,6	u
80	0,404			1,5	s
81	0,357	0,107	0,3	0,4	s
83	0,358	0,125	0,3	0,4	s
85	0,313	0,078	-0,7	-0,6	s
87	0,324	0,081	-0,4	-0,4	s
89	0,273	0,068	-1,9	-1,6	s
90	0,301			-0,9	s
91	0,369			0,7	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

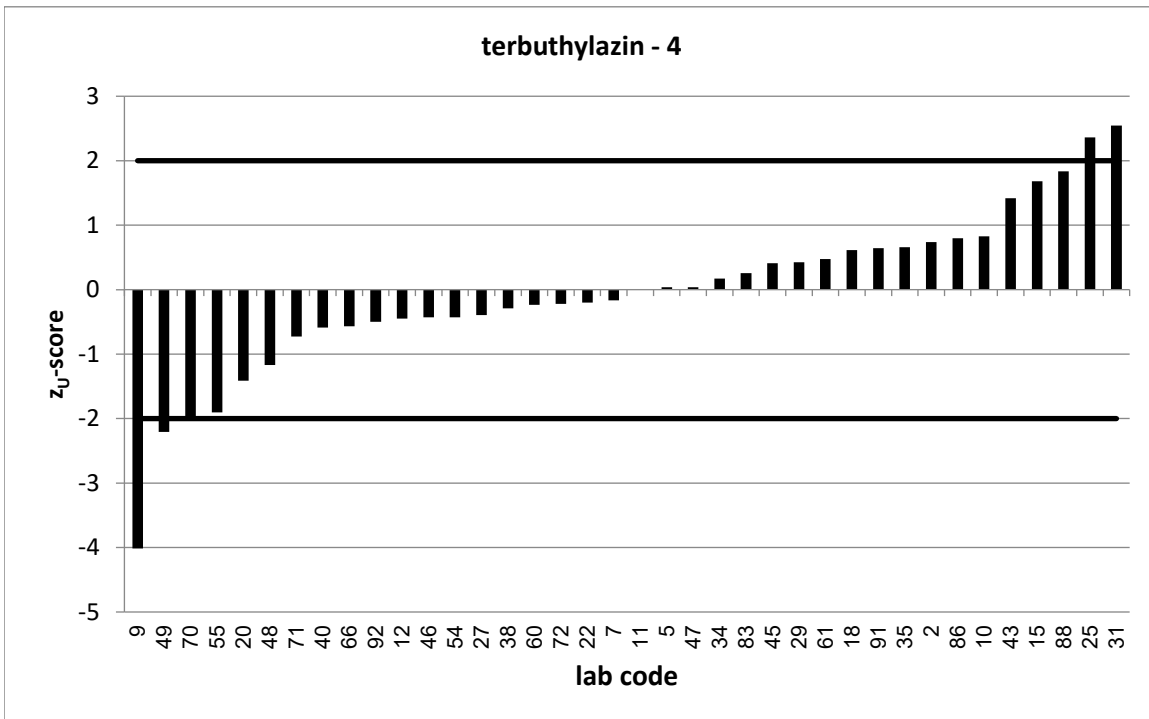
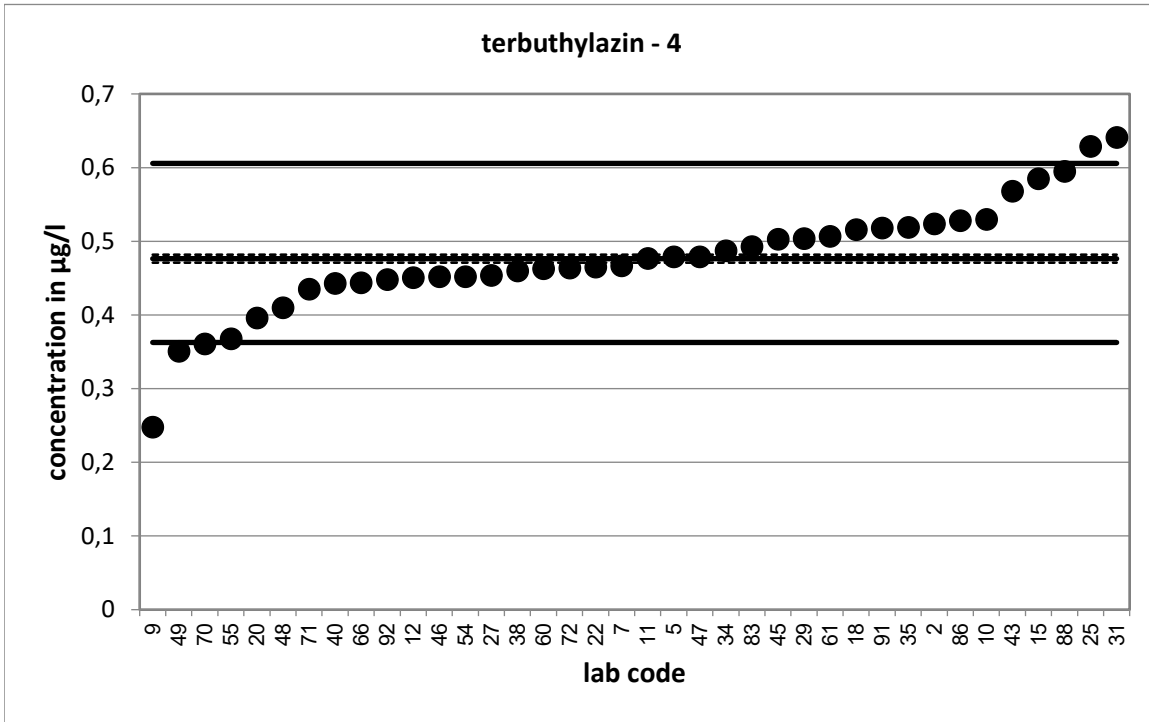


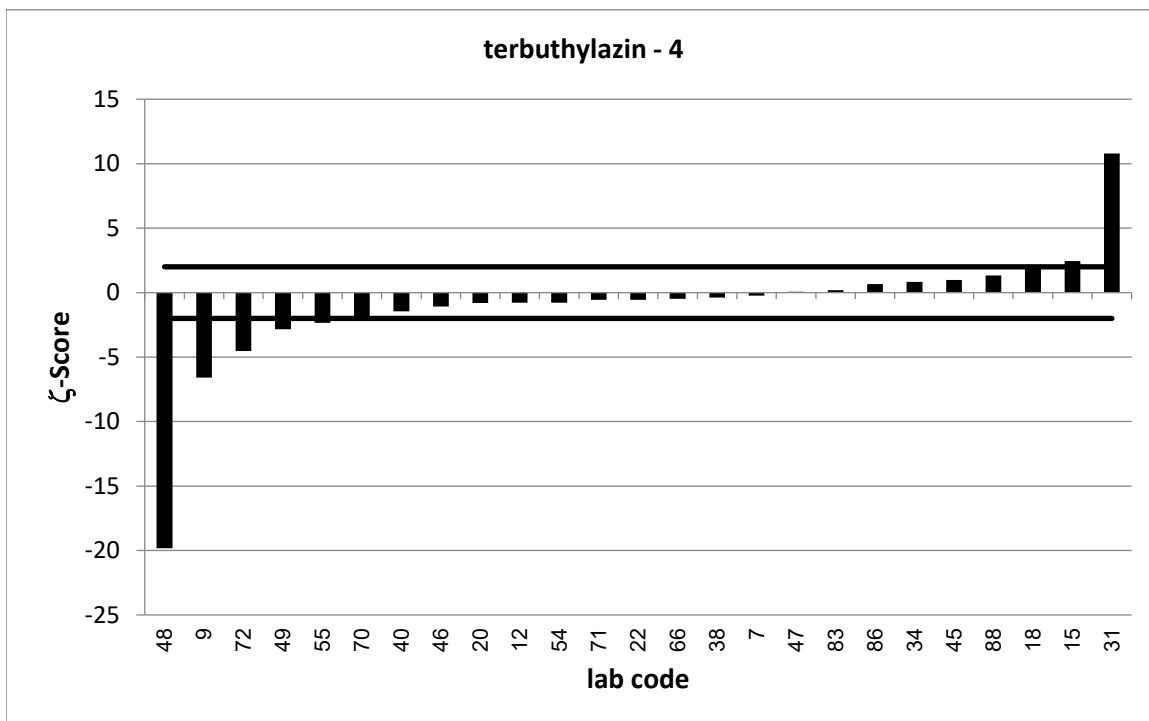
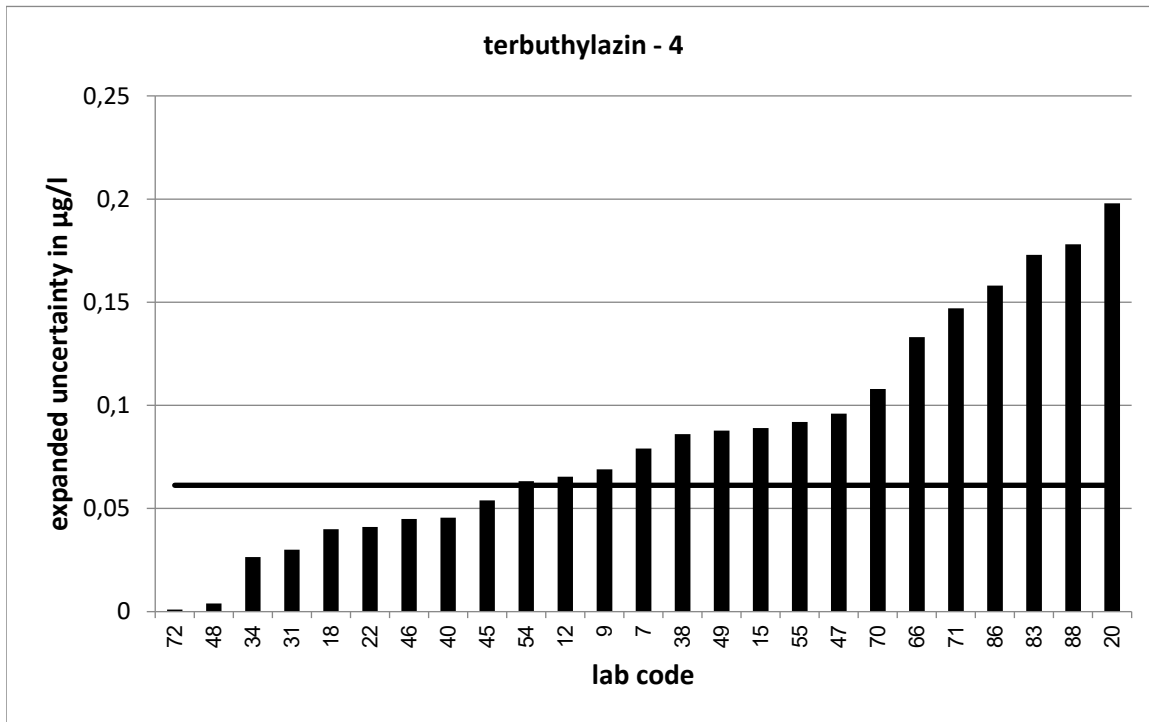


PT 7/20- TW O1		terbutylazin - 4			
assigned value [$\mu\text{g/l}$]*		0,4764 \pm 0,0054			
upper tolerance limit [$\mu\text{g/l}$]		0,6057			
lower tolerance limit [$\mu\text{g/l}$]		0,3627			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,524			0,7	s
5	0,479			0,0	s
7	0,467	0,079	-0,2	-0,2	s
9	0,248	0,069	-6,6	-4,0	u
10	0,53			0,8	s
11	0,477			0,0	s
12	0,451	0,065	-0,8	-0,4	s
15	0,585	0,089	2,4	1,7	s
18	0,516	0,04	2,0	0,6	s
20	0,396	0,198	-0,8	-1,4	s
22	0,465	0,041	-0,6	-0,2	s
25	0,629			2,4	q
27	0,454			-0,4	s
29	0,504			0,4	s
31	0,641	0,03	10,8	2,5	q
34	0,4875	0,026	0,8	0,2	s
35	0,519			0,7	s
38	0,46	0,086	-0,4	-0,3	s
40	0,443	0,046	-1,5	-0,6	s
43	0,568			1,4	s
45	0,503	0,054	1,0	0,4	s
46	0,452	0,045	-1,1	-0,4	s
47	0,479	0,096	0,1	0,0	s
48	0,41	0,004	-19,8	-1,2	s
49	0,351	0,088	-2,9	-2,2	q
54	0,452	0,063	-0,8	-0,4	s
55	0,368	0,092	-2,4	-1,9	s
60	0,463			-0,2	s
61	0,507			0,5	s
66	0,444	0,133	-0,5	-0,6	s
70	0,361	0,108	-2,1	-2,0	s
71	0,435	0,147	-0,6	-0,7	s
72	0,464	0,001	-4,5	-0,2	s
83	0,493	0,173	0,2	0,3	s
86	0,528	0,158	0,7	0,8	s
88	0,595	0,178	1,3	1,8	s
91	0,518			0,6	s
92	0,448			-0,5	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

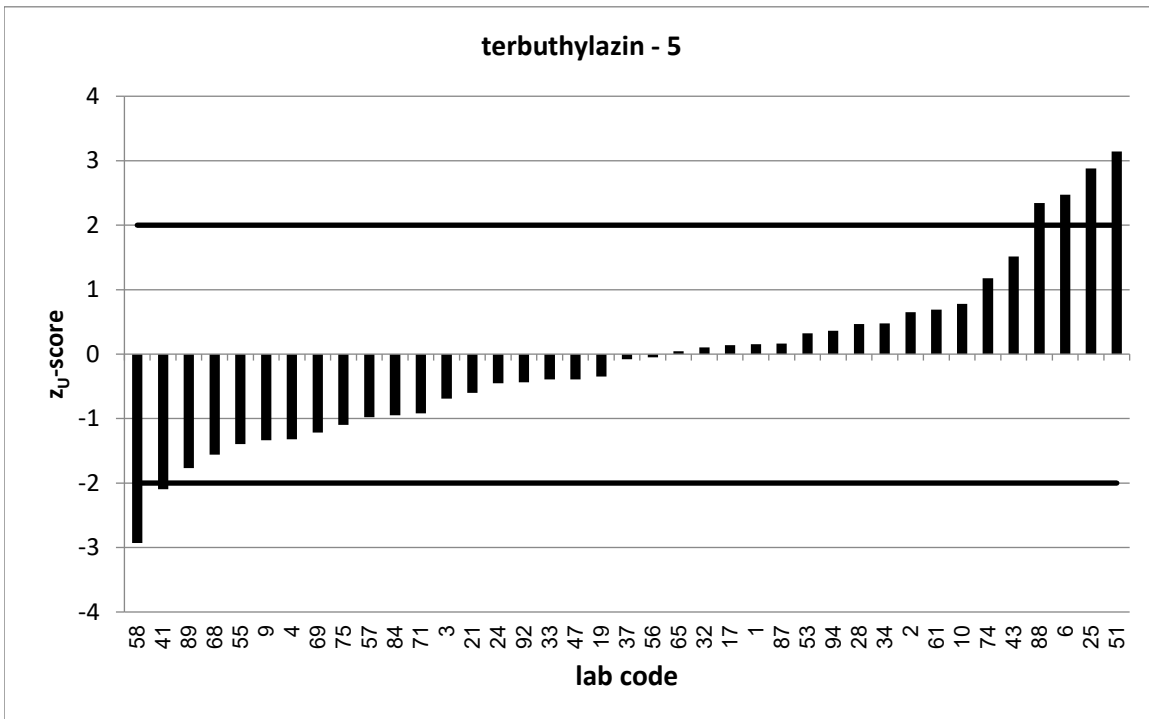
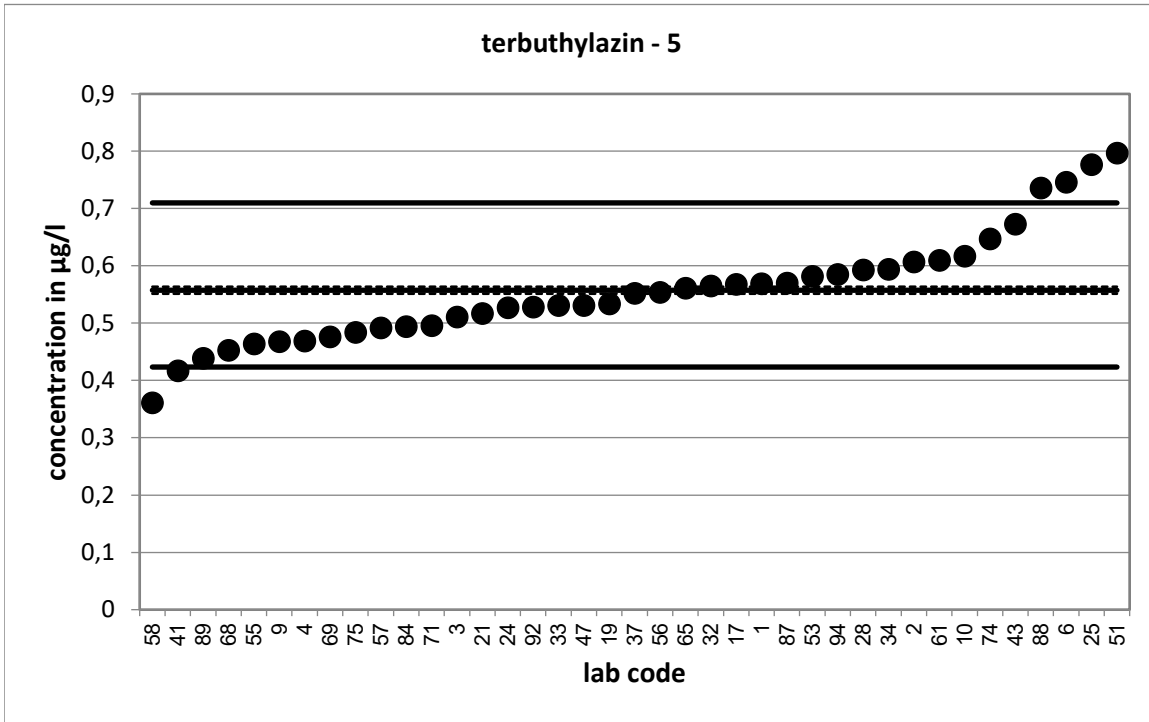


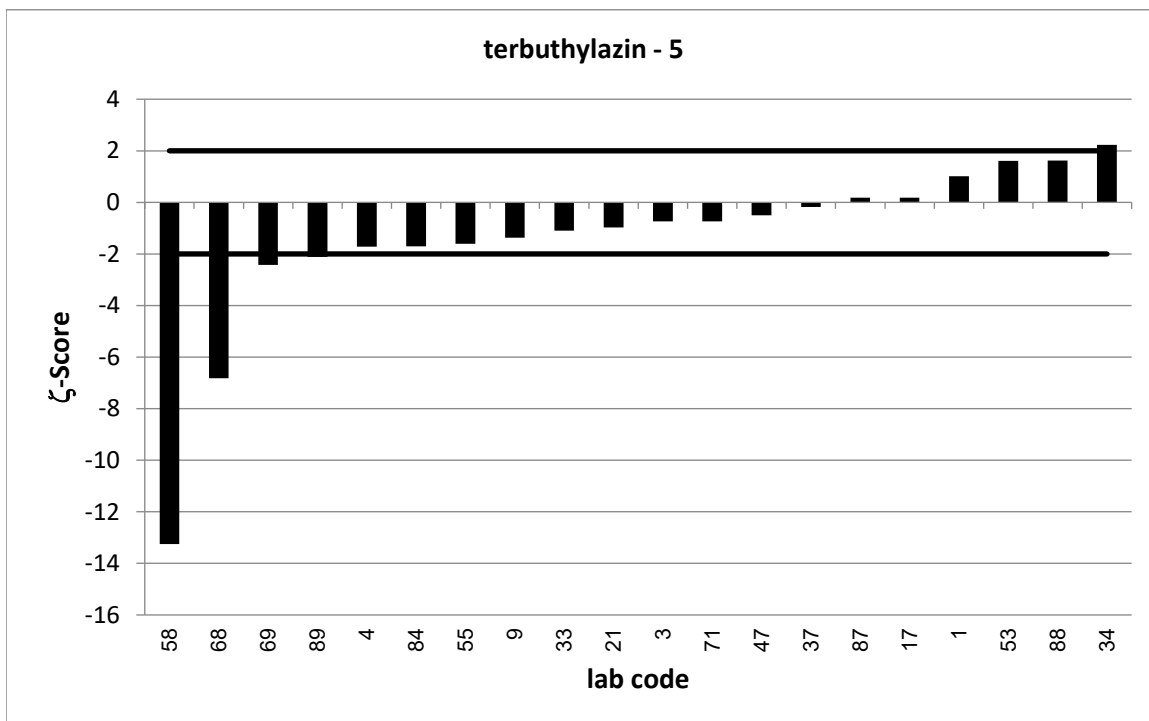
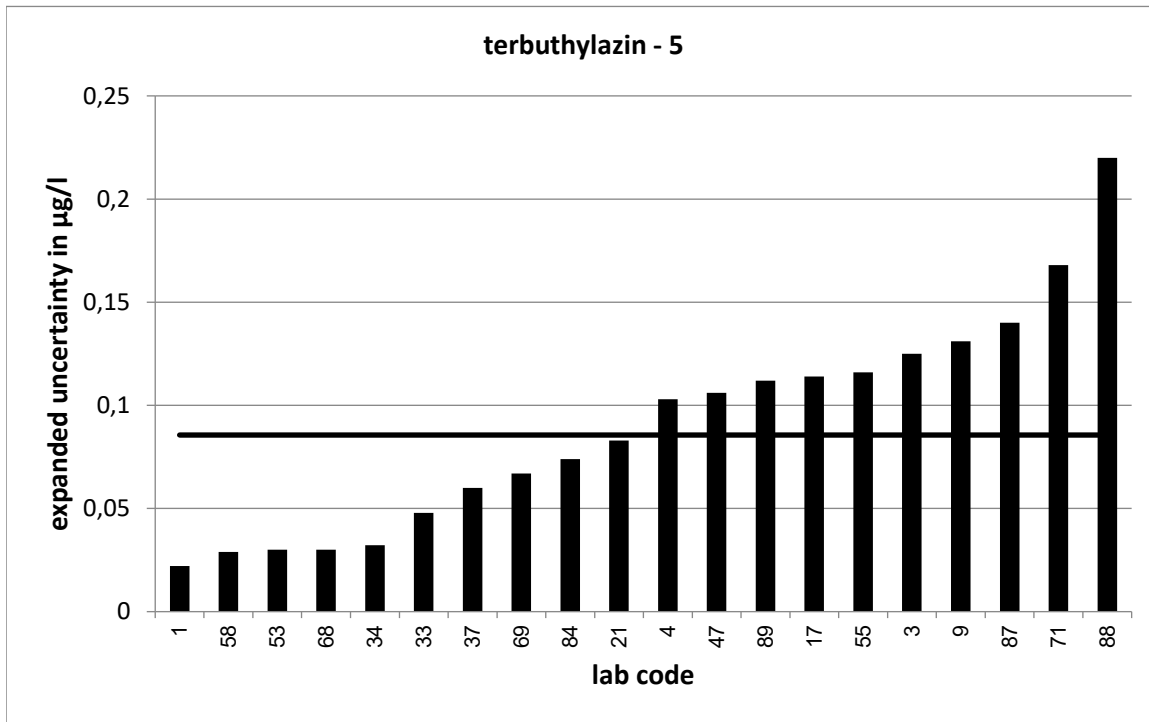


PT 7/20- TW O1		terbutylazin - 5			
assigned value [$\mu\text{g/l}$]*		0,5574 \pm 0,0061			
upper tolerance limit [$\mu\text{g/l}$]		0,7098			
lower tolerance limit [$\mu\text{g/l}$]		0,4234			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,569	0,022	1,0	0,2	s
2	0,607			0,7	s
3	0,511	0,125	-0,7	-0,7	s
4	0,469	0,103	-1,7	-1,3	s
6	0,746			2,5	q
9	0,468	0,131	-1,4	-1,3	s
10	0,617			0,8	s
17	0,568	0,114	0,2	0,1	s
19	0,534			-0,3	s
21	0,517	0,083	-1,0	-0,6	s
24	0,527			-0,5	s
25	0,777			2,9	q
28	0,593			0,5	s
32	0,5653			0,1	s
33	0,531	0,048	-1,1	-0,4	s
34	0,5939	0,032	2,2	0,5	s
37	0,552	0,06	-0,2	-0,1	s
41	0,417			-2,1	q
43	0,673			1,5	s
47	0,531	0,106	-0,5	-0,4	s
51	0,797			3,1	u
53	0,582	0,03	1,6	0,3	s
55	0,464	0,116	-1,6	-1,4	s
56	0,554			-0,1	s
57	0,492			-1,0	s
58	0,361	0,029	-13,3	-2,9	q
61	0,61			0,7	s
65	0,561			0,0	s
68	0,453	0,03	-6,8	-1,6	s
69	0,476	0,067	-2,4	-1,2	s
71	0,496	0,168	-0,7	-0,9	s
74	0,647			1,2	s
75	0,484			-1,1	s
84	0,494	0,074	-1,7	-0,9	s
87	0,57	0,14	0,2	0,2	s
88	0,736	0,22	1,6	2,3	q
89	0,439	0,112	-2,1	-1,8	s
92	0,528			-0,4	s
94	0,585			0,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

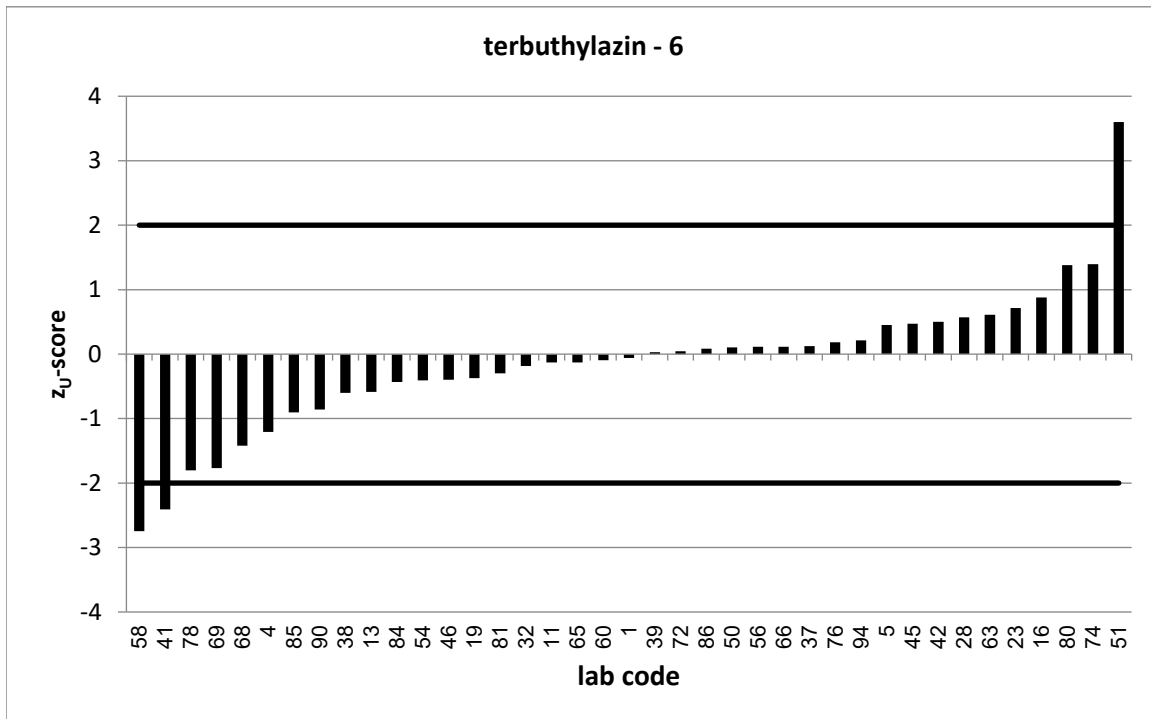
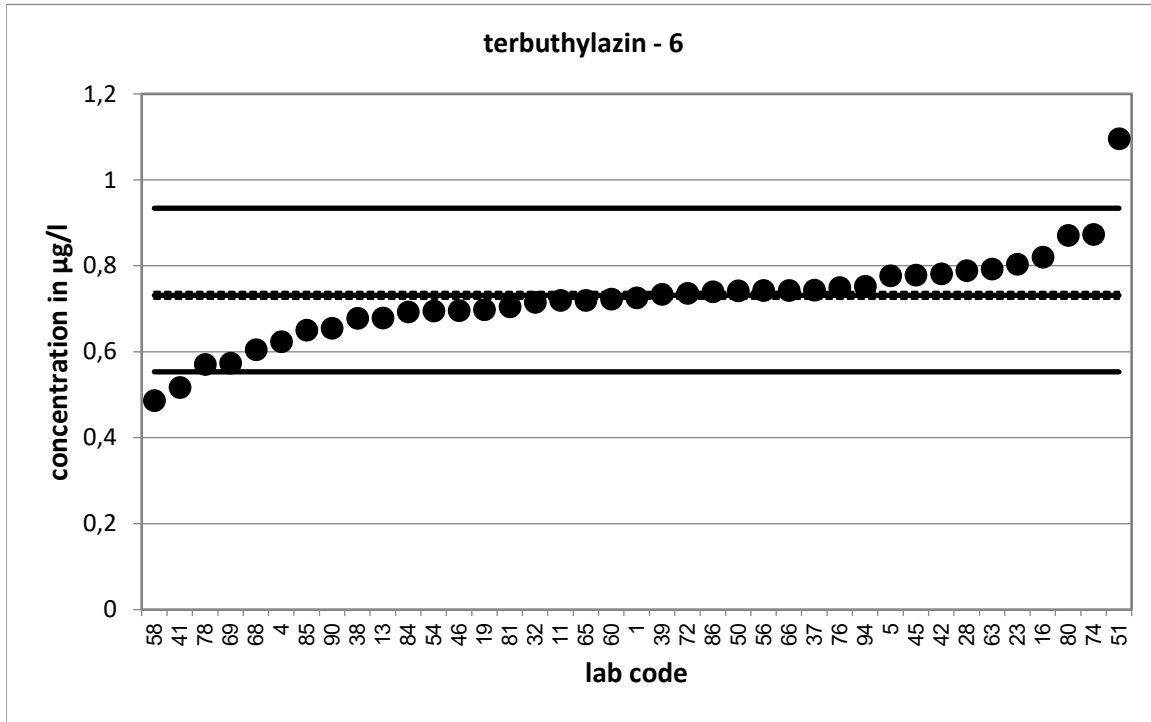


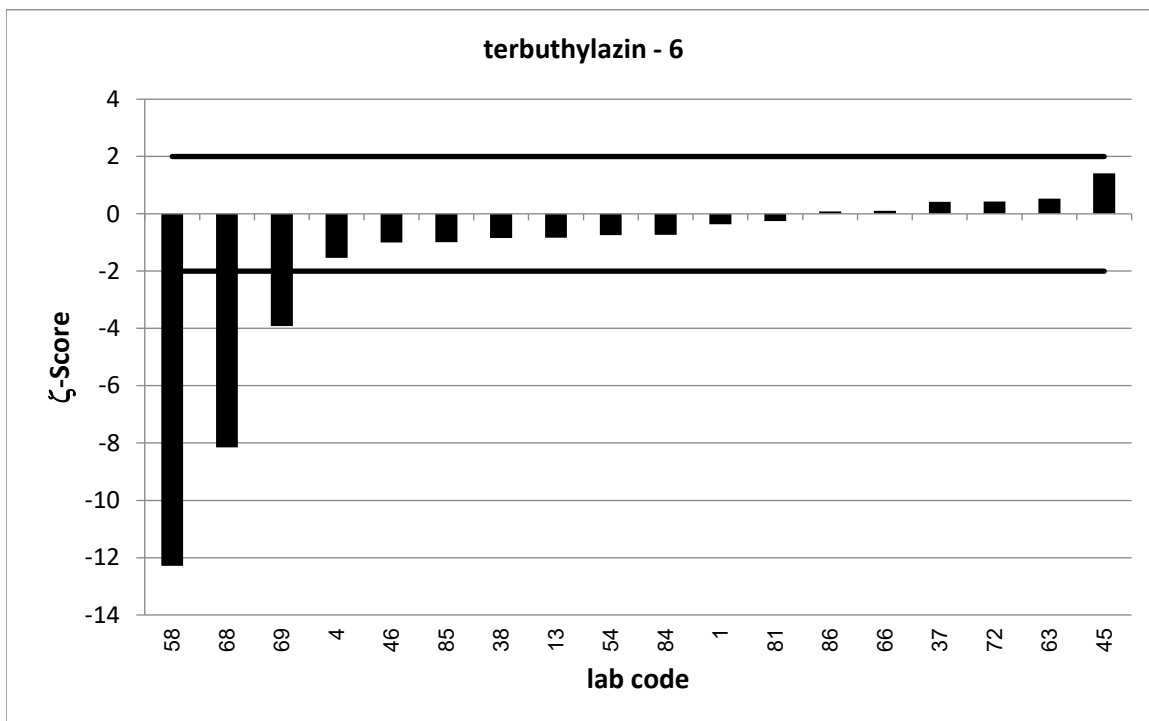
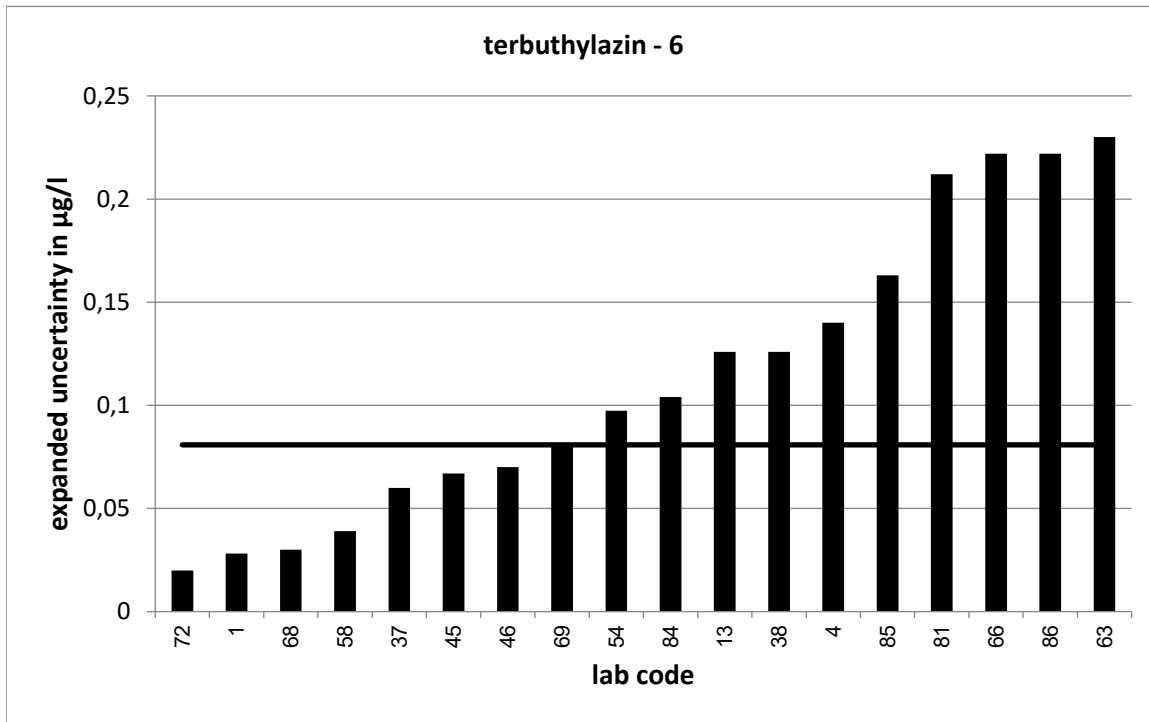


PT 7/20- TW O1		terbutylazin - 6			
assigned value [$\mu\text{g/l}$]*		0,7314 \pm 0,0078			
upper tolerance limit [$\mu\text{g/l}$]		0,934			
lower tolerance limit [$\mu\text{g/l}$]		0,5534			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,726	0,028	-0,4	-0,1	s
4	0,624	0,14	-1,5	-1,2	s
5	0,777			0,5	s
11	0,72			-0,1	s
13	0,679	0,126	-0,8	-0,6	s
16	0,8202			0,9	s
19	0,698			-0,4	s
23	0,804			0,7	s
28	0,789			0,6	s
32	0,7152			-0,2	s
37	0,744	0,06	0,4	0,1	s
38	0,678	0,126	-0,8	-0,6	s
39	0,7343			0,0	s
41	0,517			-2,4	q
42	0,782			0,5	s
45	0,779	0,067	1,4	0,5	s
46	0,696	0,07	-1,0	-0,4	s
50	0,742			0,1	s
51	1,096			3,6	u
54	0,695	0,097	-0,7	-0,4	s
56	0,743			0,1	s
58	0,487	0,039	-12,3	-2,7	q
60	0,723			-0,1	s
63	0,793	0,23	0,5	0,6	s
65	0,72			-0,1	s
66	0,743	0,222	0,1	0,1	s
68	0,605	0,03	-8,2	-1,4	s
69	0,574	0,08	-3,9	-1,8	s
72	0,736	0,02	0,4	0,0	s
74	0,873			1,4	s
76	0,75			0,2	s
78	0,571			-1,8	s
80	0,871			1,4	s
81	0,705	0,212	-0,2	-0,3	s
84	0,693	0,104	-0,7	-0,4	s
85	0,651	0,163	-1,0	-0,9	s
86	0,74	0,222	0,1	0,1	s
90	0,655			-0,9	s
94	0,753			0,2	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

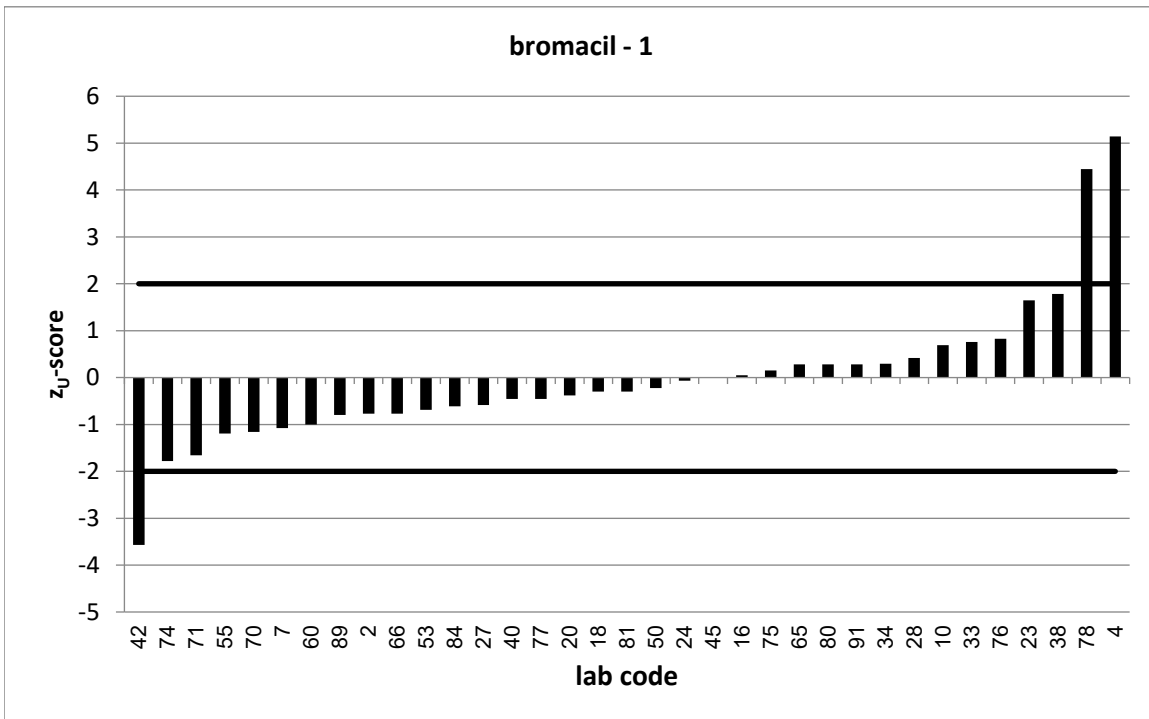
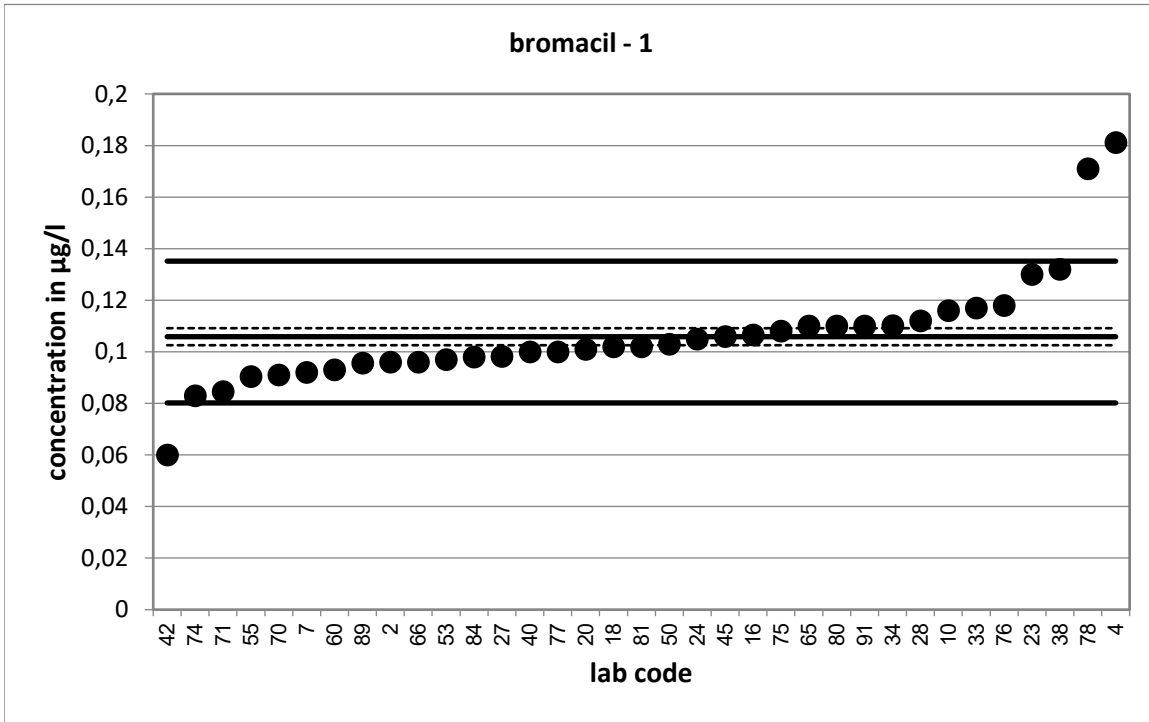


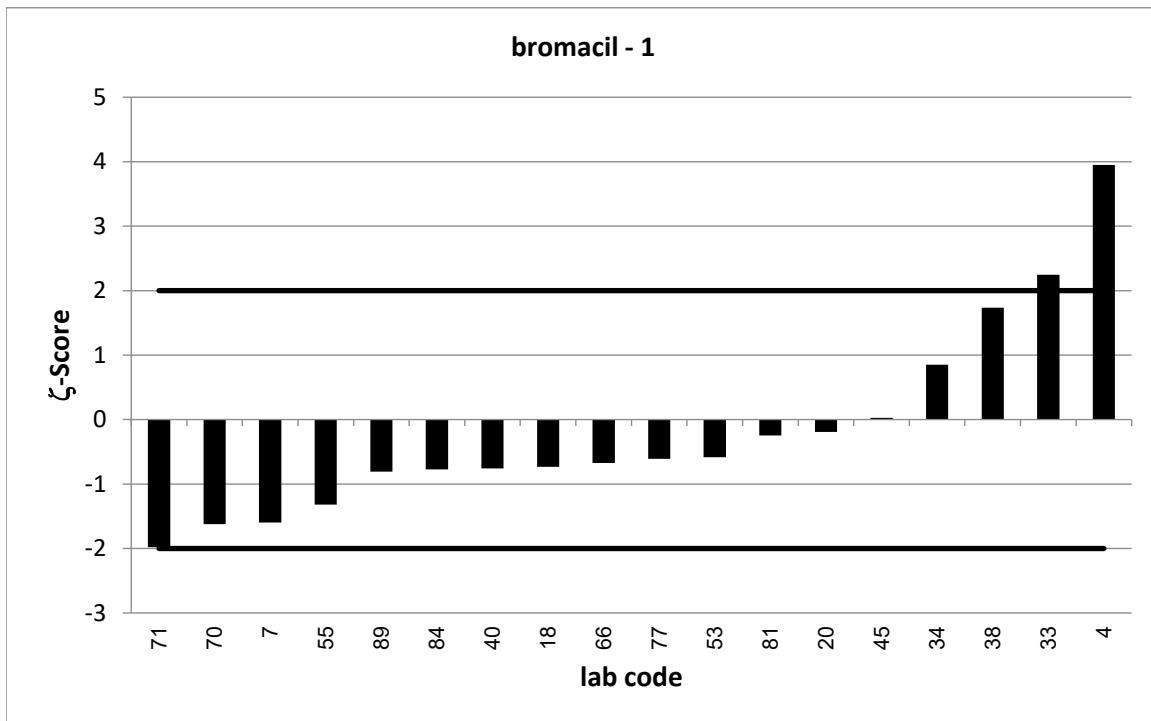
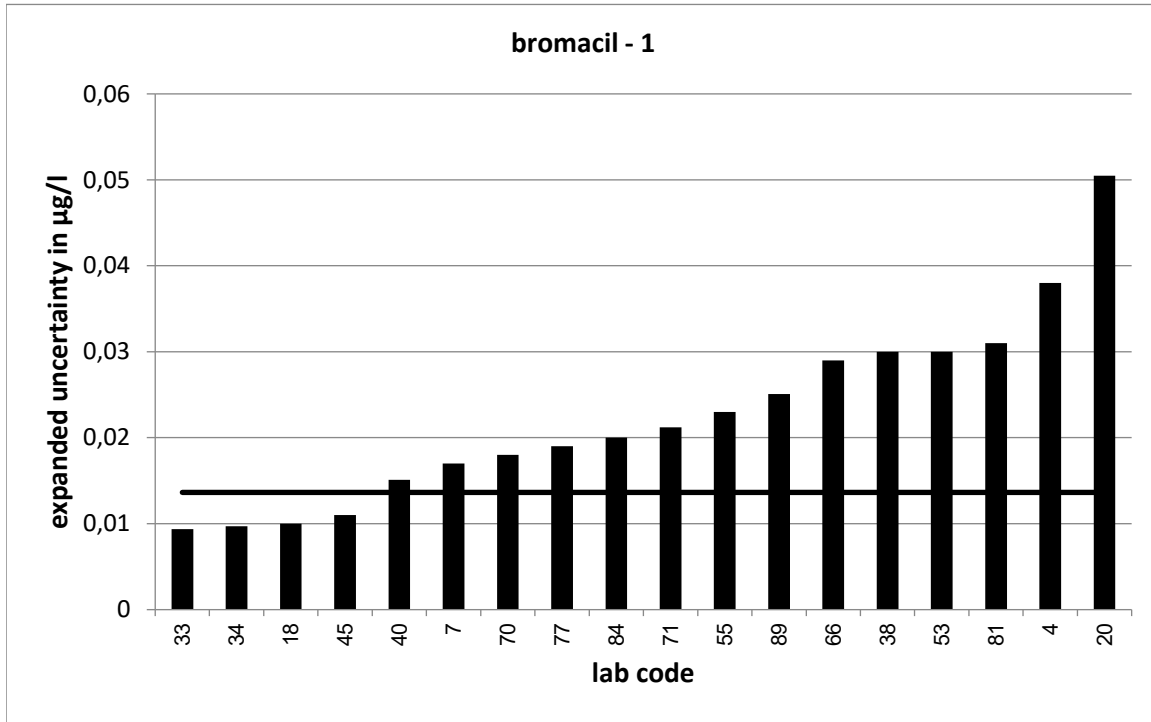


PT 7/20- TW O1		bromacil - 1			
assigned value [$\mu\text{g/l}$]*		0,1058 \pm 0,0033			
upper tolerance limit [$\mu\text{g/l}$]		0,1352			
lower tolerance limit [$\mu\text{g/l}$]		0,08017			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,096			-0,8	s
4	0,1812	0,038	4,0	5,1	u
7	0,092	0,017	-1,6	-1,1	s
10	0,116			0,7	s
16	0,1066			0,1	s
18	0,102	0,01	-0,7	-0,3	s
20	0,101	0,051	-0,2	-0,4	s
23	0,13			1,6	s
24	0,105			-0,1	s
27	0,0983			-0,6	s
28	0,112			0,4	s
33	0,117	0,009	2,2	0,8	s
34	0,1102	0,01	0,8	0,3	s
38	0,132	0,03	1,7	1,8	s
40	0,1	0,015	-0,8	-0,5	s
42	0,06			-3,6	u
45	0,106	0,011	0,0	0,0	s
50	0,103			-0,2	s
53	0,097	0,03	-0,6	-0,7	s
55	0,0905	0,023	-1,3	-1,2	s
60	0,093			-1,0	s
65	0,11			0,3	s
66	0,096	0,029	-0,7	-0,8	s
70	0,091	0,018	-1,6	-1,2	s
71	0,0846	0,021	-2,0	-1,7	s
74	0,083			-1,8	s
75	0,1081			0,2	s
76	0,118			0,8	s
77	0,1	0,019	-0,6	-0,5	s
78	0,171			4,4	u
80	0,11			0,3	s
81	0,102	0,031	-0,2	-0,3	s
84	0,098	0,02	-0,8	-0,6	s
89	0,0956	0,025	-0,8	-0,8	s
91	0,11			0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

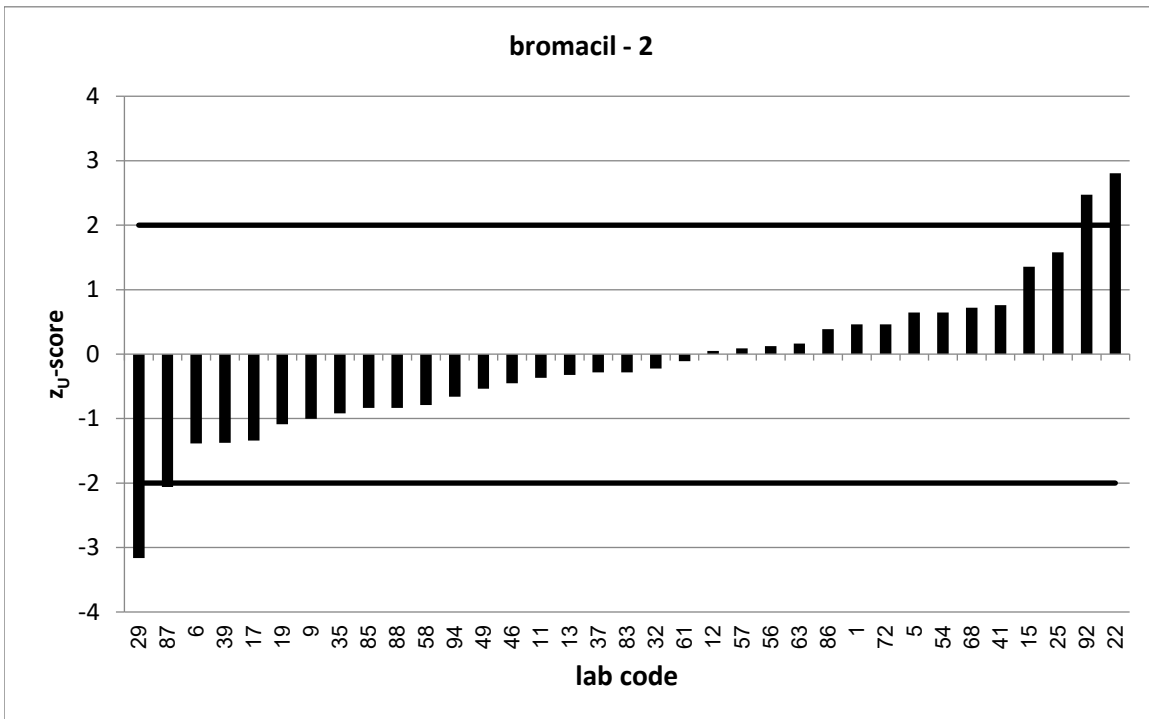
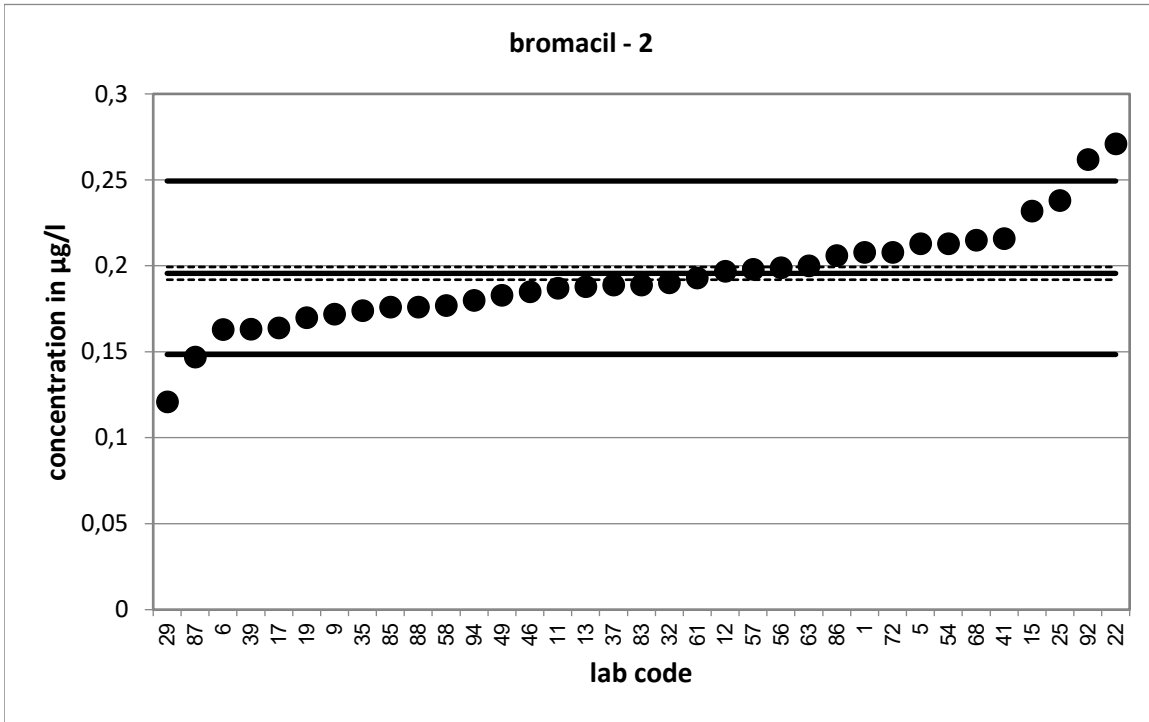


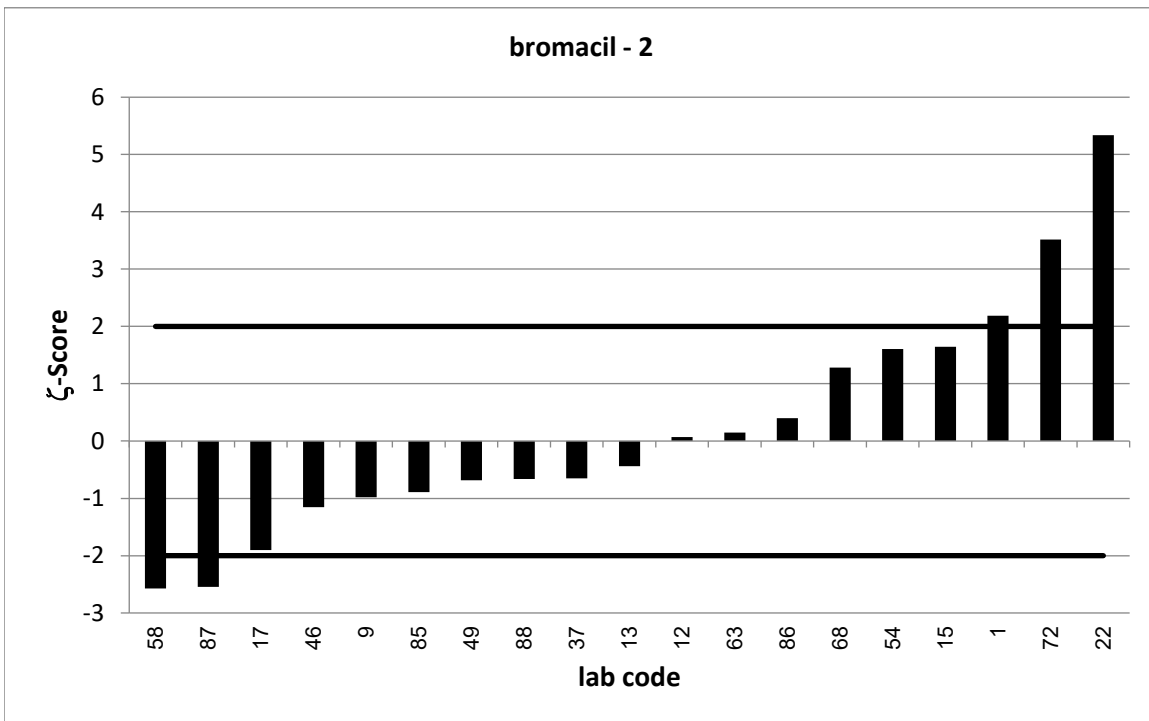
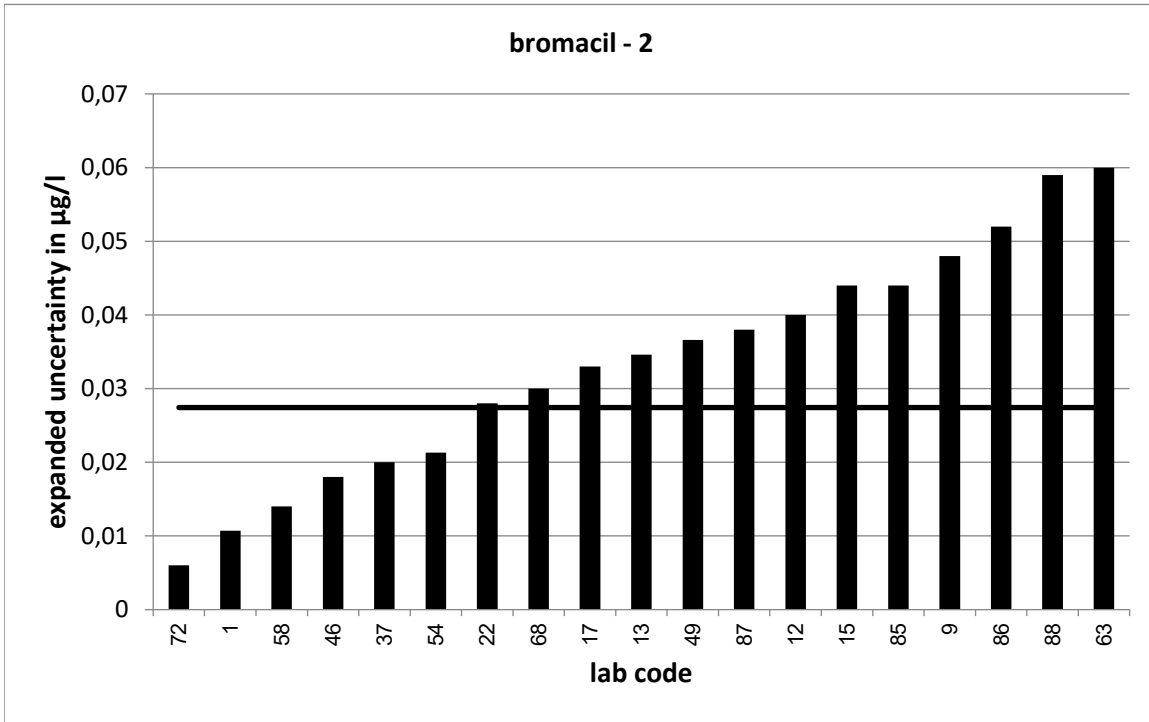


PT 7/20- TW O1		bromacil - 2			
assigned value [$\mu\text{g/l}$]*		0,1956 \pm 0,0037			
upper tolerance limit [$\mu\text{g/l}$]		0,2493			
lower tolerance limit [$\mu\text{g/l}$]		0,1485			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,208	0,011	2,2	0,5	s
5	0,213			0,6	s
6	0,163			-1,4	s
9	0,172	0,048	-1,0	-1,0	s
11	0,187			-0,4	s
12	0,197	0,04	0,1	0,1	s
13	0,188	0,035	-0,4	-0,3	s
15	0,232	0,044	1,6	1,4	s
17	0,164	0,033	-1,9	-1,3	s
19	0,17			-1,1	s
22	0,271	0,028	5,3	2,8	q
25	0,238			1,6	s
29	0,121			-3,2	u
32	0,1903			-0,2	s
35	0,174			-0,9	s
37	0,189	0,02	-0,7	-0,3	s
39	0,1632			-1,4	s
41	0,216			0,8	s
46	0,185	0,018	-1,2	-0,5	s
49	0,183	0,037	-0,7	-0,5	s
54	0,213	0,021	1,6	0,6	s
56	0,199			0,1	s
57	0,198			0,1	s
58	0,177	0,014	-2,6	-0,8	s
61	0,193			-0,1	s
63	0,2	0,06	0,1	0,2	s
68	0,215	0,03	1,3	0,7	s
72	0,208	0,006	3,5	0,5	s
83	0,189			-0,3	s
85	0,176	0,044	-0,9	-0,8	s
86	0,206	0,052	0,4	0,4	s
87	0,147	0,038	-2,5	-2,1	q
88	0,176	0,059	-0,7	-0,8	s
92	0,262			2,5	q
94	0,18			-0,7	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

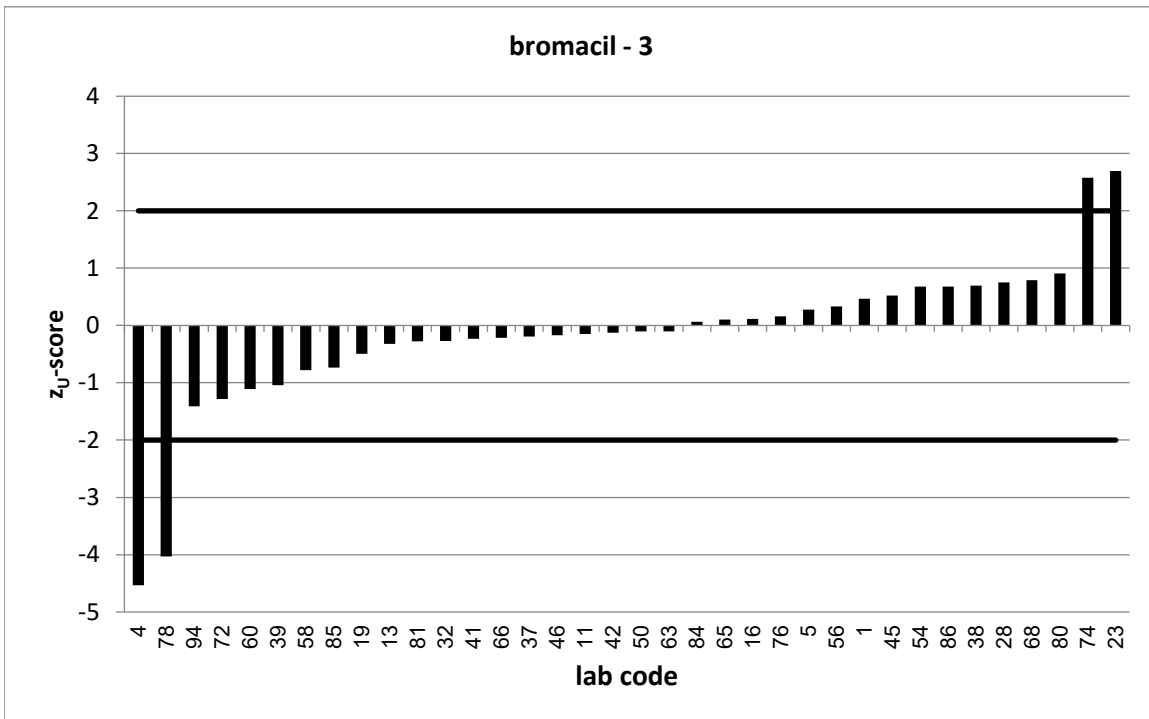
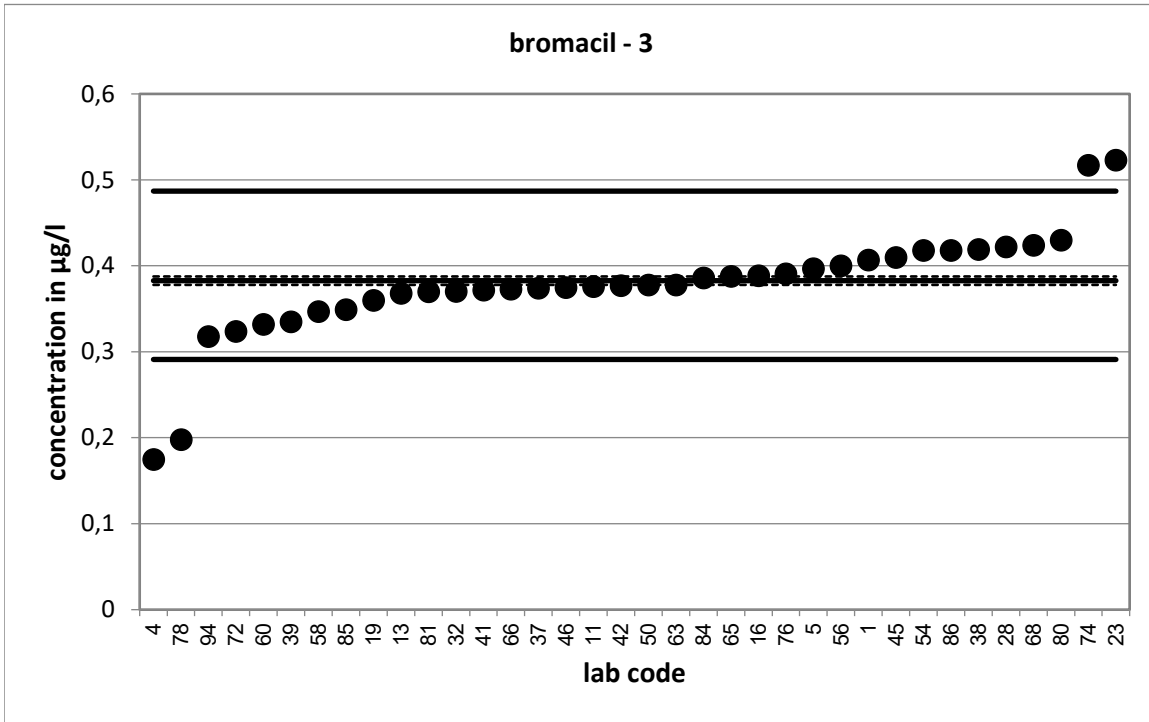


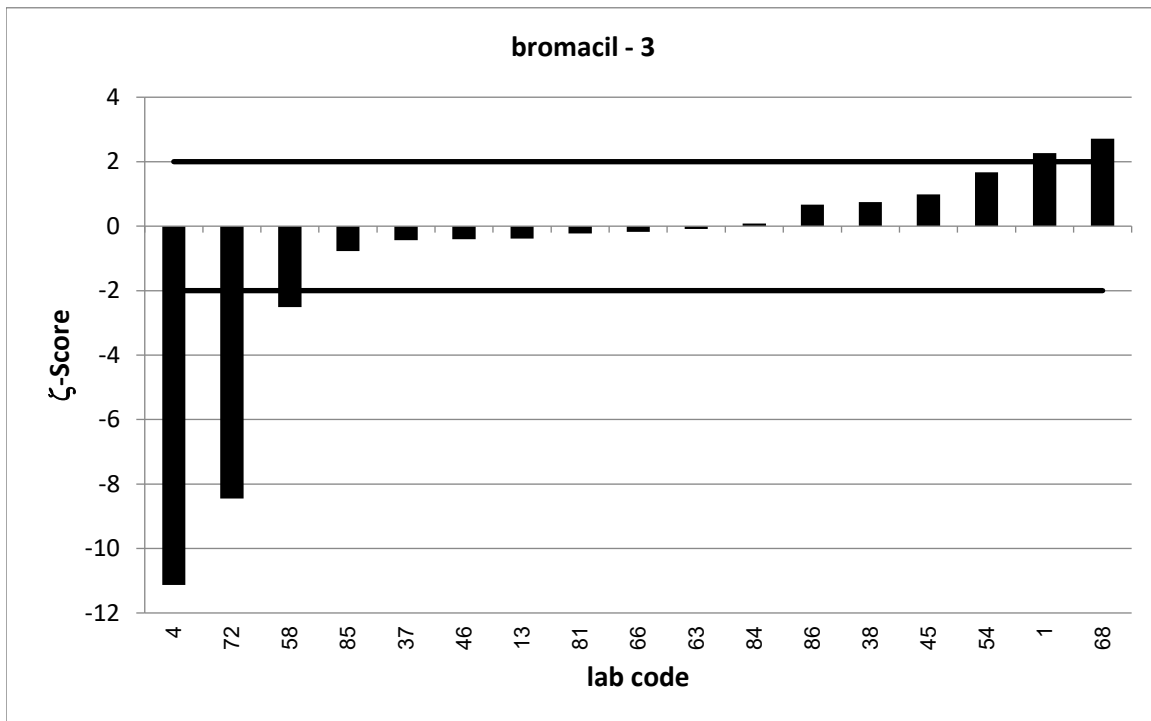
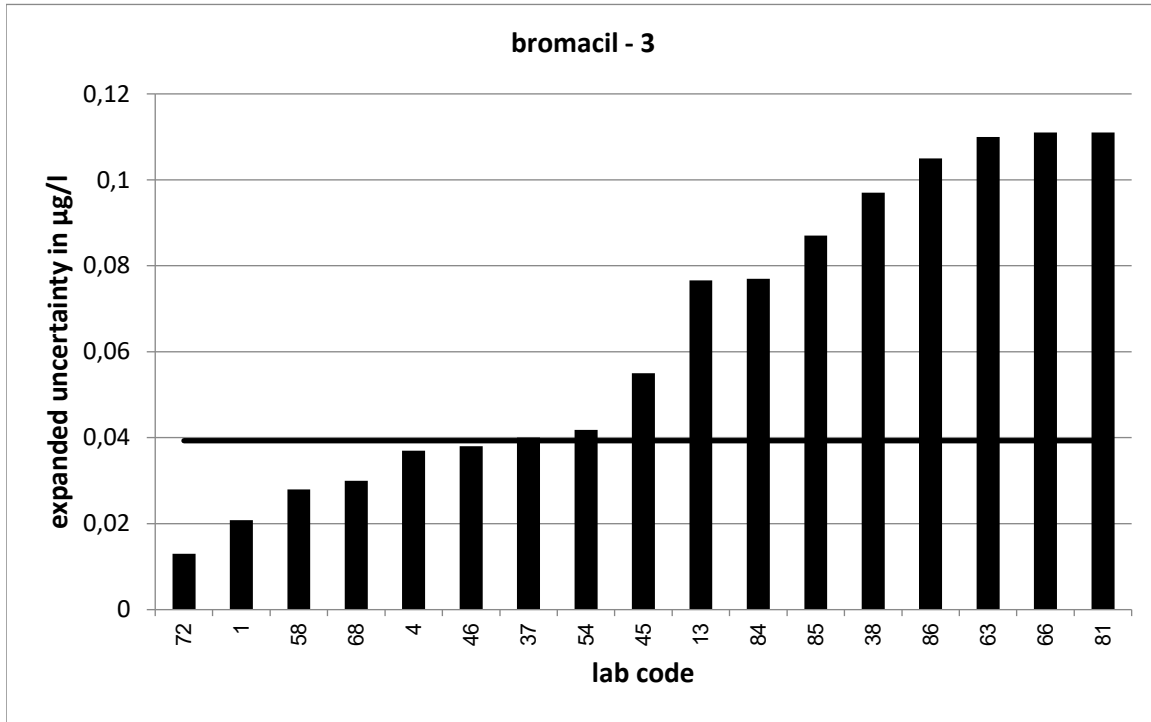


PT 7/20- TW O1		bromacil - 3			
assigned value [$\mu\text{g/l}$]*		0,3827 \pm 0,0049			
upper tolerance limit [$\mu\text{g/l}$]		0,4869			
lower tolerance limit [$\mu\text{g/l}$]		0,2911			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,407	0,021	2,3	0,5	s
4	0,175	0,037	-11,1	-4,5	u
5	0,397			0,3	s
11	0,376			-0,1	s
13	0,368	0,077	-0,4	-0,3	s
16	0,3886			0,1	s
19	0,36			-0,5	s
23	0,523			2,7	q
28	0,422			0,8	s
32	0,3703			-0,3	s
37	0,374	0,04	-0,4	-0,2	s
38	0,419	0,097	0,7	0,7	s
39	0,3351			-1,0	s
41	0,372			-0,2	s
42	0,377			-0,1	s
45	0,41	0,055	1,0	0,5	s
46	0,375	0,038	-0,4	-0,2	s
50	0,378			-0,1	s
54	0,418	0,042	1,7	0,7	s
56	0,4			0,3	s
58	0,347	0,028	-2,5	-0,8	s
60	0,332			-1,1	s
63	0,378	0,11	-0,1	-0,1	s
65	0,388			0,1	s
66	0,373	0,111	-0,2	-0,2	s
68	0,424	0,03	2,7	0,8	s
72	0,324	0,013	-8,5	-1,3	s
74	0,517			2,6	q
76	0,391			0,2	s
78	0,198			-4,0	u
80	0,43			0,9	s
81	0,37	0,111	-0,2	-0,3	s
84	0,386	0,077	0,1	0,1	s
85	0,349	0,087	-0,8	-0,7	s
86	0,418	0,105	0,7	0,7	s
94	0,318			-1,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

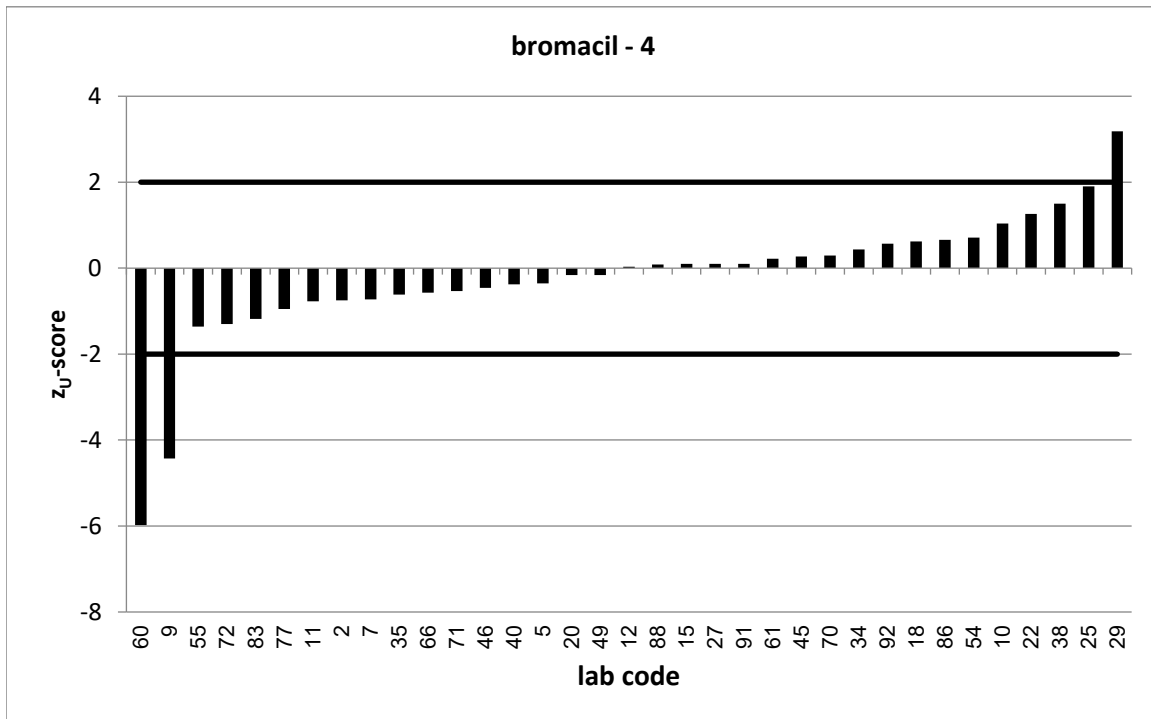
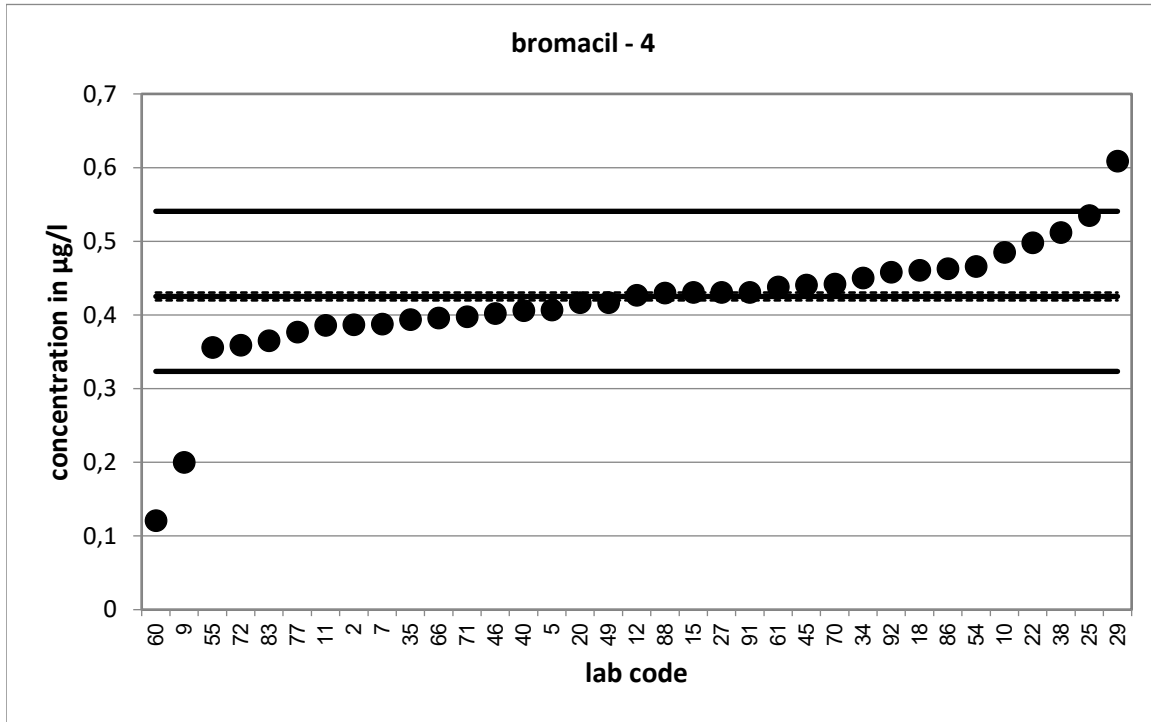


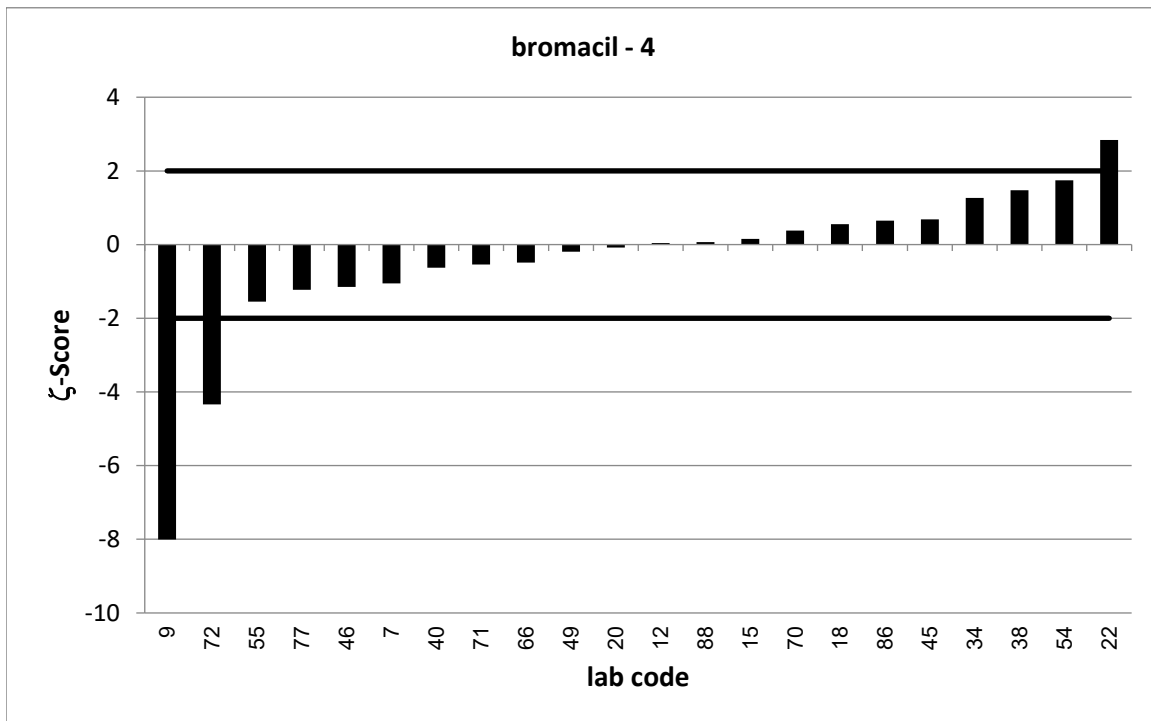
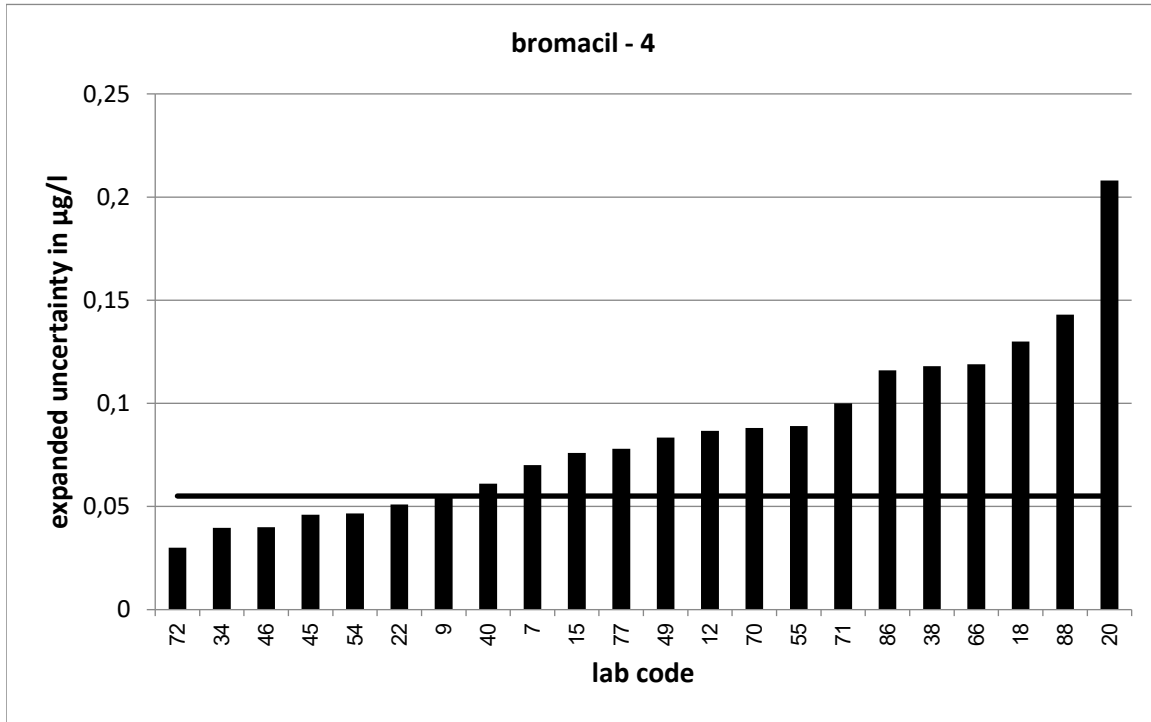


PT 7/20- TW O1		bromacil - 4			
assigned value [$\mu\text{g/l}$]*		0,4251 \pm 0,0053			
upper tolerance limit [$\mu\text{g/l}$]		0,5407			
lower tolerance limit [$\mu\text{g/l}$]		0,3234			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,387			-0,7	s
5	0,407			-0,4	s
7	0,388	0,07	-1,1	-0,7	s
9	0,2	0,056	-8,0	-4,4	u
10	0,485			1,0	s
11	0,386			-0,8	s
12	0,427	0,087	0,0	0,0	s
15	0,431	0,076	0,2	0,1	s
18	0,461	0,13	0,6	0,6	s
20	0,417	0,208	-0,1	-0,2	s
22	0,498	0,051	2,8	1,3	s
25	0,535			1,9	s
27	0,431			0,1	s
29	0,609			3,2	u
34	0,4504	0,04	1,3	0,4	s
35	0,394			-0,6	s
38	0,512	0,118	1,5	1,5	s
40	0,406	0,061	-0,6	-0,4	s
45	0,441	0,046	0,7	0,3	s
46	0,402	0,04	-1,1	-0,5	s
49	0,417	0,083	-0,2	-0,2	s
54	0,466	0,047	1,7	0,7	s
55	0,356	0,089	-1,6	-1,4	s
60	0,121			-6,0	u
61	0,438			0,2	s
66	0,396	0,119	-0,5	-0,6	s
70	0,442	0,088	0,4	0,3	s
71	0,398	0,1	-0,5	-0,5	s
72	0,359	0,03	-4,3	-1,3	s
77	0,377	0,078	-1,2	-0,9	s
83	0,365			-1,2	s
86	0,463	0,116	0,7	0,7	s
88	0,43	0,143	0,1	0,1	s
91	0,431			0,1	s
92	0,458			0,6	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

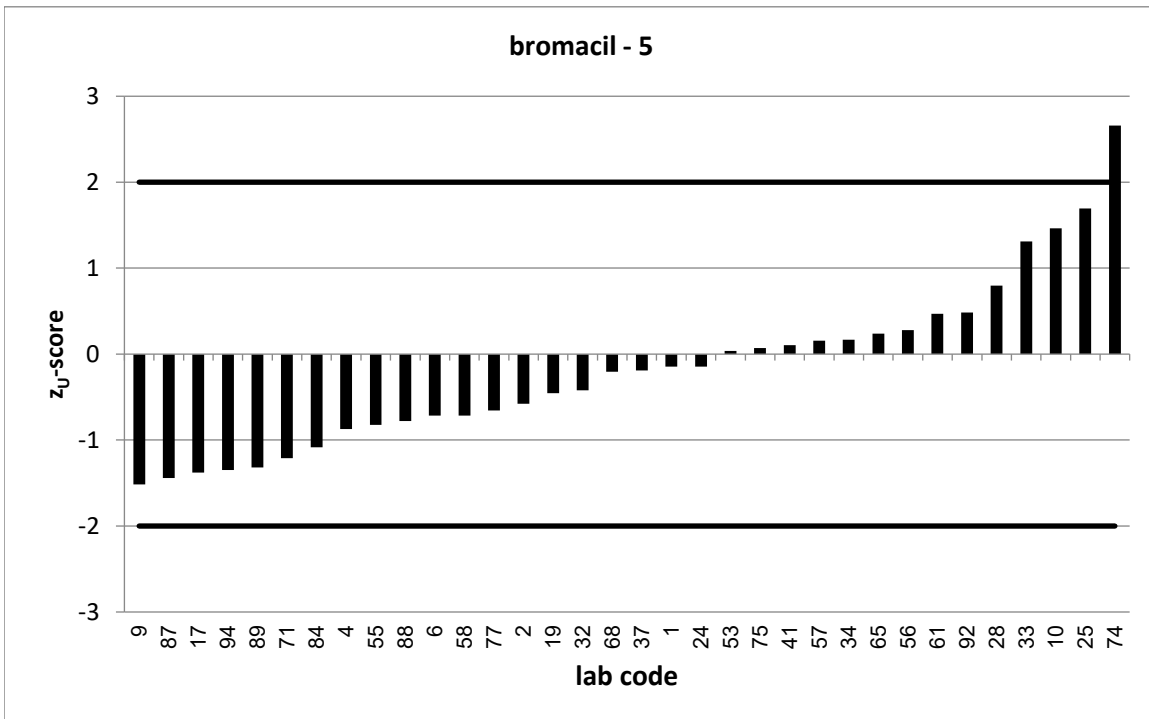
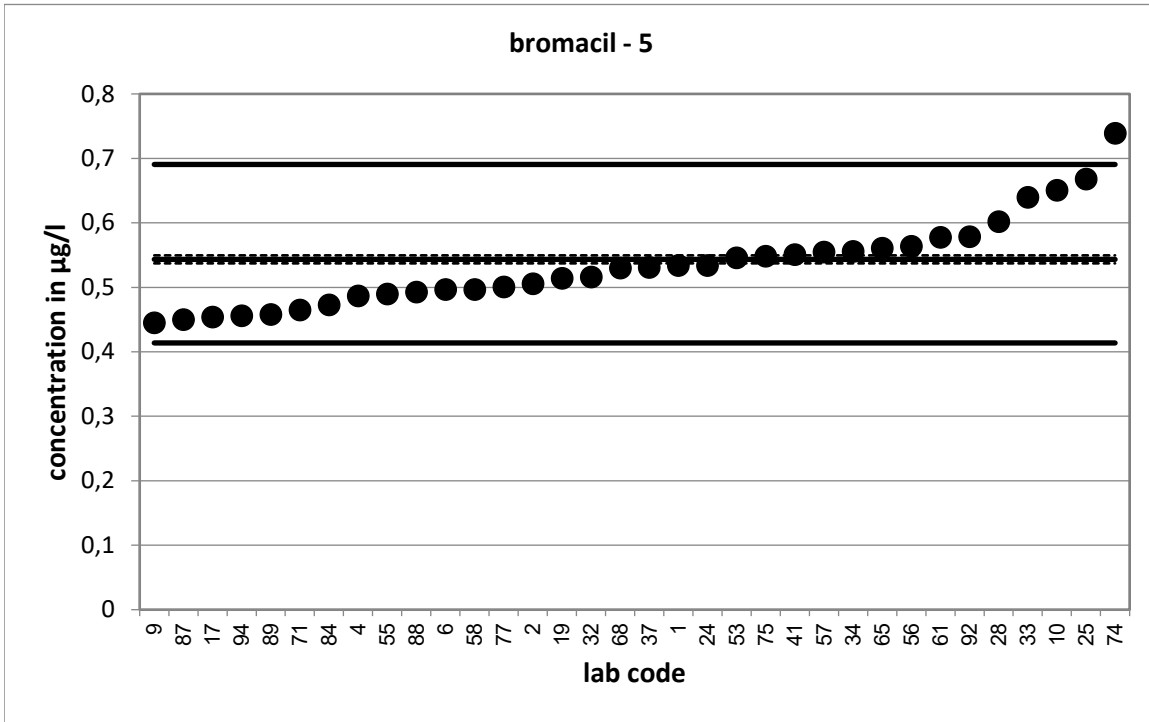


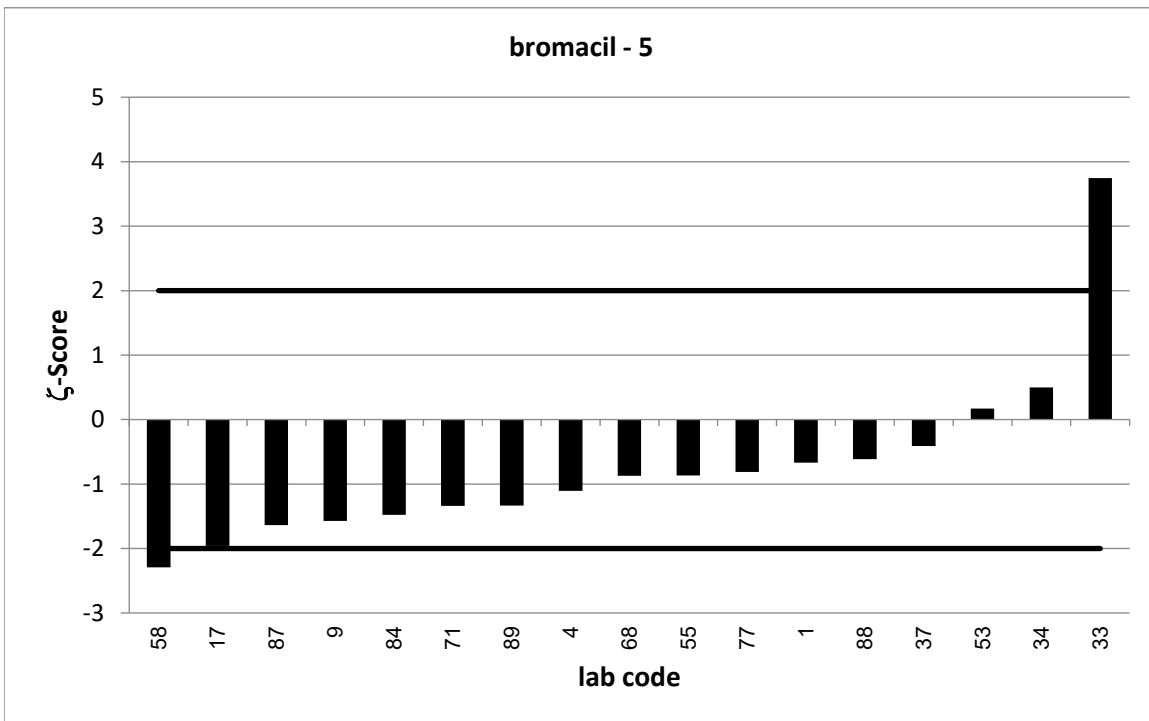
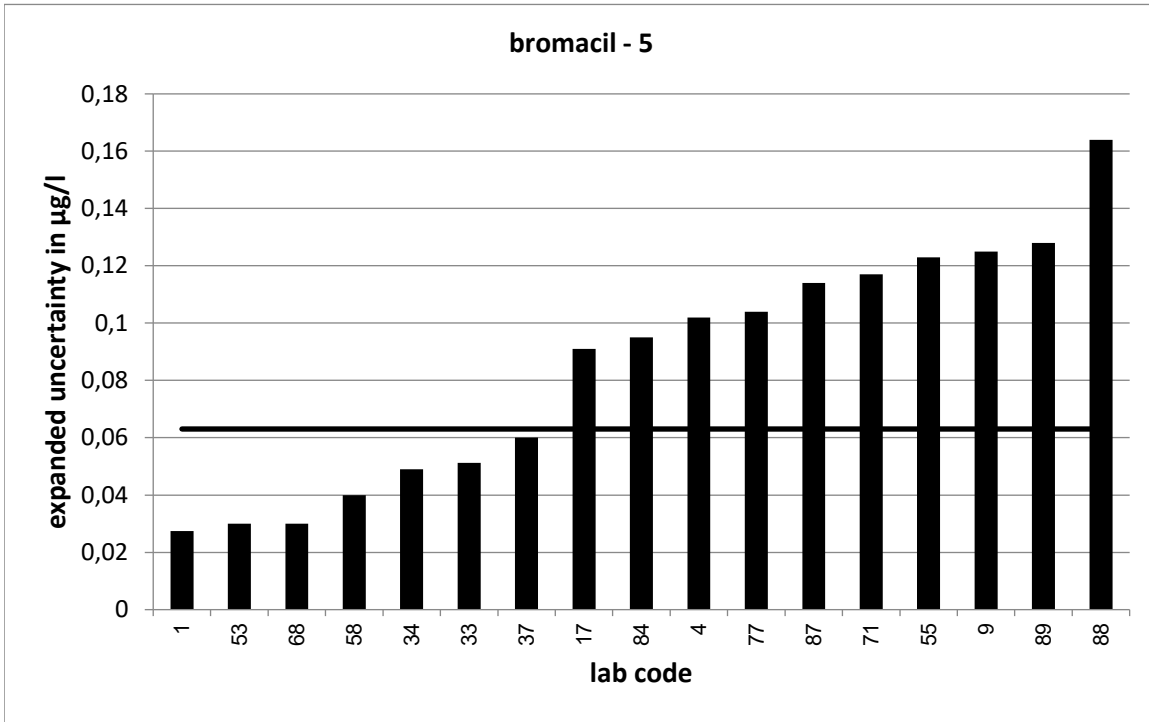


PT 7/20- TW O1		bromacil - 5			
assigned value [$\mu\text{g/l}$]*		0,5434 \pm 0,0062			
upper tolerance limit [$\mu\text{g/l}$]		0,6906			
lower tolerance limit [$\mu\text{g/l}$]		0,4137			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,534	0,027	-0,7	-0,1	s
2	0,506			-0,6	s
4	0,487	0,102	-1,1	-0,9	s
6	0,497			-0,7	s
9	0,445	0,125	-1,6	-1,5	s
10	0,651			1,5	s
17	0,454	0,091	-2,0	-1,4	s
19	0,514			-0,5	s
24	0,534			-0,1	s
25	0,668			1,7	s
28	0,602			0,8	s
32	0,5161			-0,4	s
33	0,64	0,051	3,7	1,3	s
34	0,5557	0,049	0,5	0,2	s
37	0,531	0,06	-0,4	-0,2	s
41	0,551			0,1	s
53	0,546	0,03	0,2	0,0	s
55	0,49	0,123	-0,9	-0,8	s
56	0,564			0,3	s
57	0,555			0,2	s
58	0,497	0,04	-2,3	-0,7	s
61	0,578			0,5	s
65	0,561			0,2	s
68	0,53	0,03	-0,9	-0,2	s
71	0,465	0,117	-1,3	-1,2	s
74	0,739			2,7	q
75	0,5487			0,1	s
77	0,501	0,104	-0,8	-0,7	s
84	0,473	0,095	-1,5	-1,1	s
87	0,45	0,114	-1,6	-1,4	s
88	0,493	0,164	-0,6	-0,8	s
89	0,458	0,128	-1,3	-1,3	s
92	0,579			0,5	s
94	0,456			-1,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

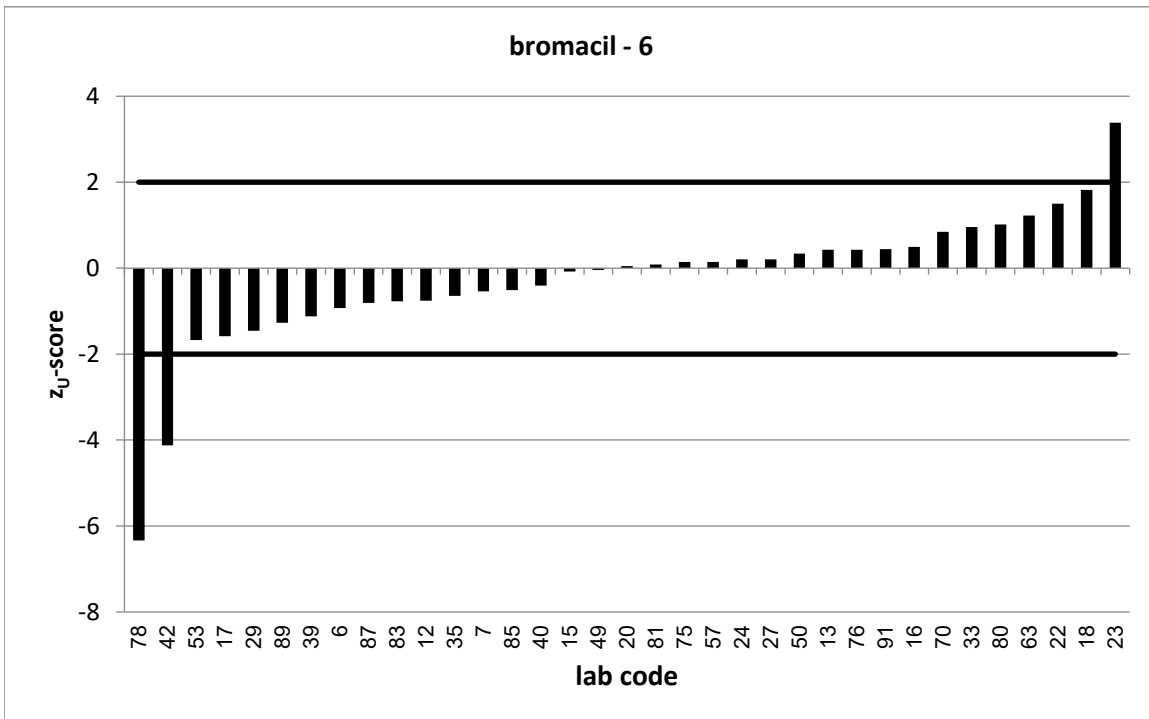
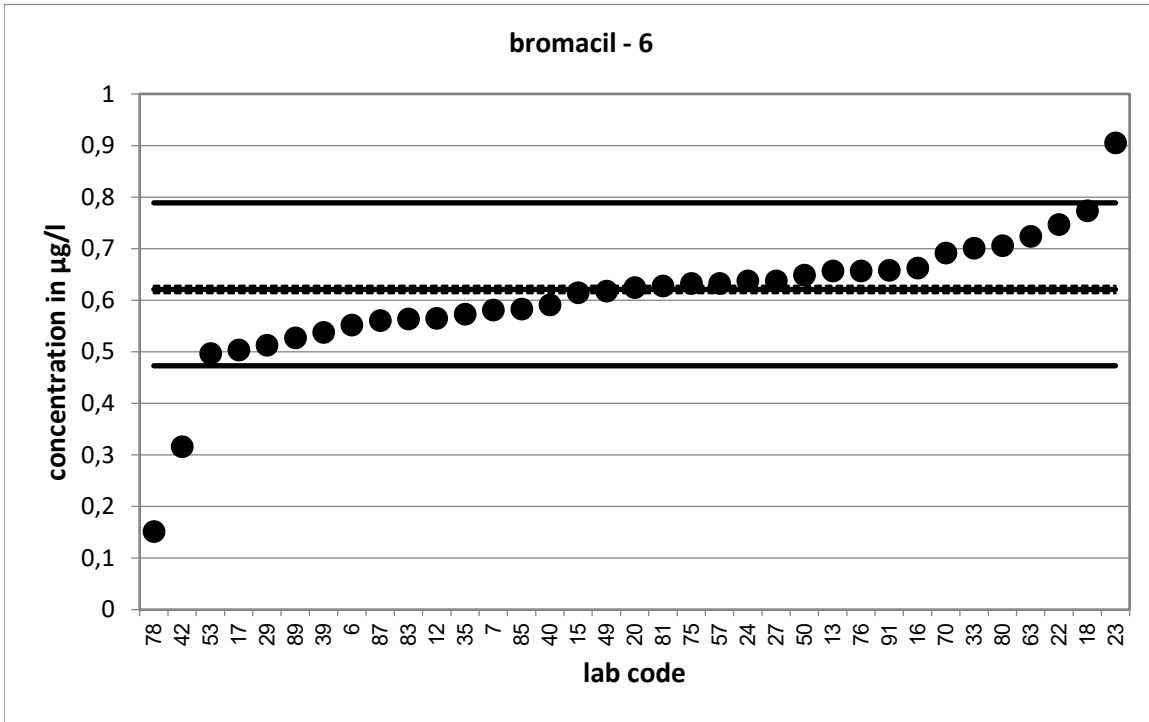


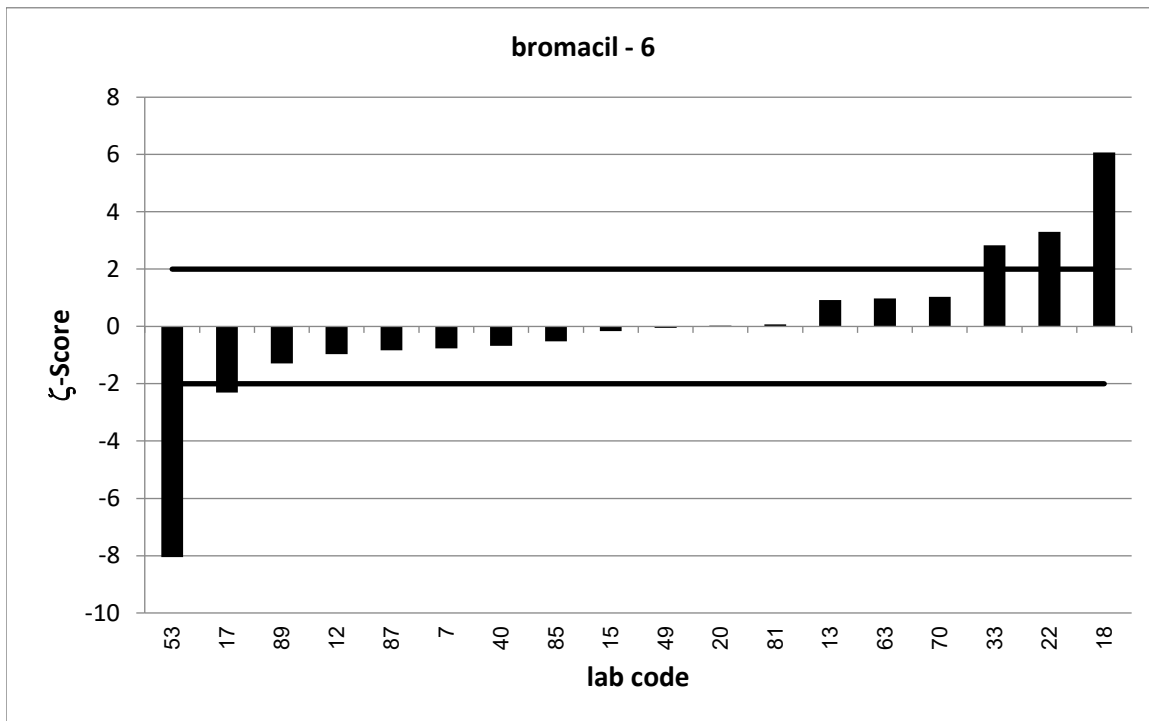
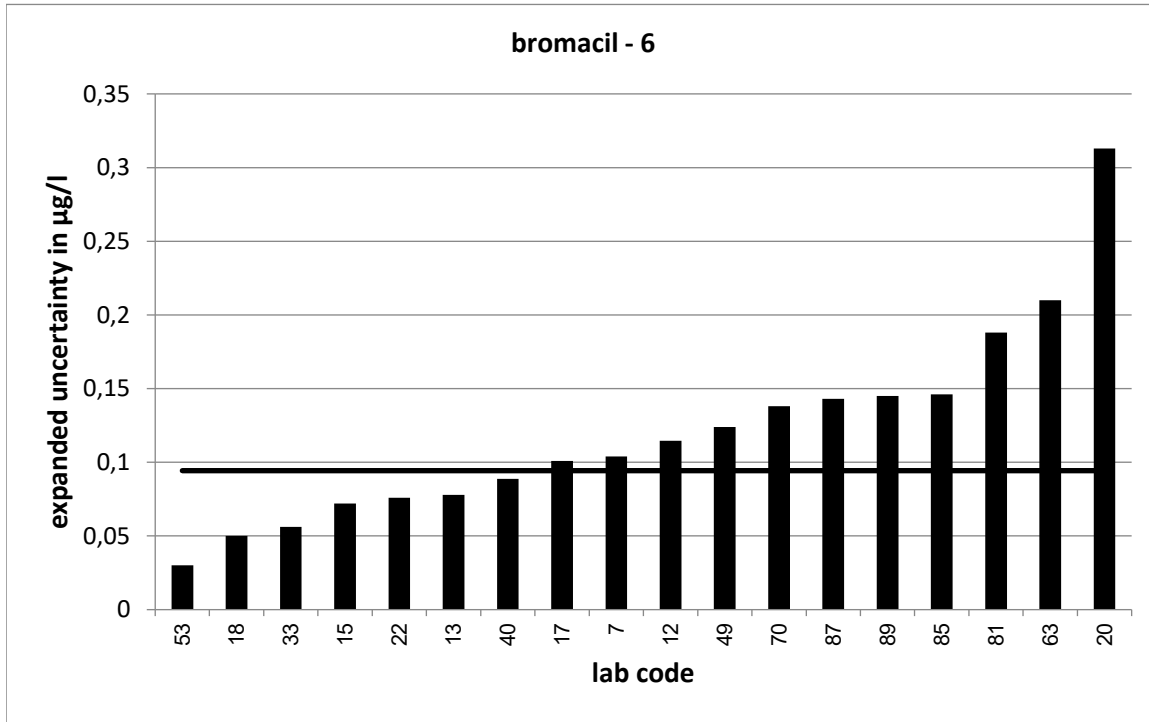


PT 7/20- TW O1		bromacil - 6			
assigned value [$\mu\text{g/l}$]*		0,6209 \pm 0,0069			
upper tolerance limit [$\mu\text{g/l}$]		0,7887			
lower tolerance limit [$\mu\text{g/l}$]		0,4729			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
6	0,552			-0,9	s
7	0,581	0,104	-0,8	-0,5	s
12	0,565	0,115	-1,0	-0,8	s
13	0,657	0,078	0,9	0,4	s
15	0,615	0,072	-0,2	-0,1	s
16	0,6624			0,5	s
17	0,504	0,101	-2,3	-1,6	s
18	0,774	0,05	6,1	1,8	s
20	0,625	0,313	0,0	0,0	s
22	0,747	0,076	3,3	1,5	s
23	0,905			3,4	u
24	0,638			0,2	s
27	0,638			0,2	s
29	0,513			-1,5	s
33	0,701	0,056	2,8	1,0	s
35	0,573			-0,6	s
39	0,5377			-1,1	s
40	0,591	0,089	-0,7	-0,4	s
42	0,316			-4,1	u
49	0,618	0,124	0,0	0,0	s
50	0,649			0,3	s
53	0,497	0,03	-8,0	-1,7	s
57	0,633			0,1	s
63	0,724	0,21	1,0	1,2	s
70	0,692	0,138	1,0	0,8	s
75	0,6328			0,1	s
76	0,657			0,4	s
78	0,152			-6,3	u
80	0,706			1,0	s
81	0,628	0,188	0,1	0,1	s
83	0,564			-0,8	s
85	0,583	0,146	-0,5	-0,5	s
87	0,561	0,143	-0,8	-0,8	s
89	0,527	0,145	-1,3	-1,3	s
91	0,658			0,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

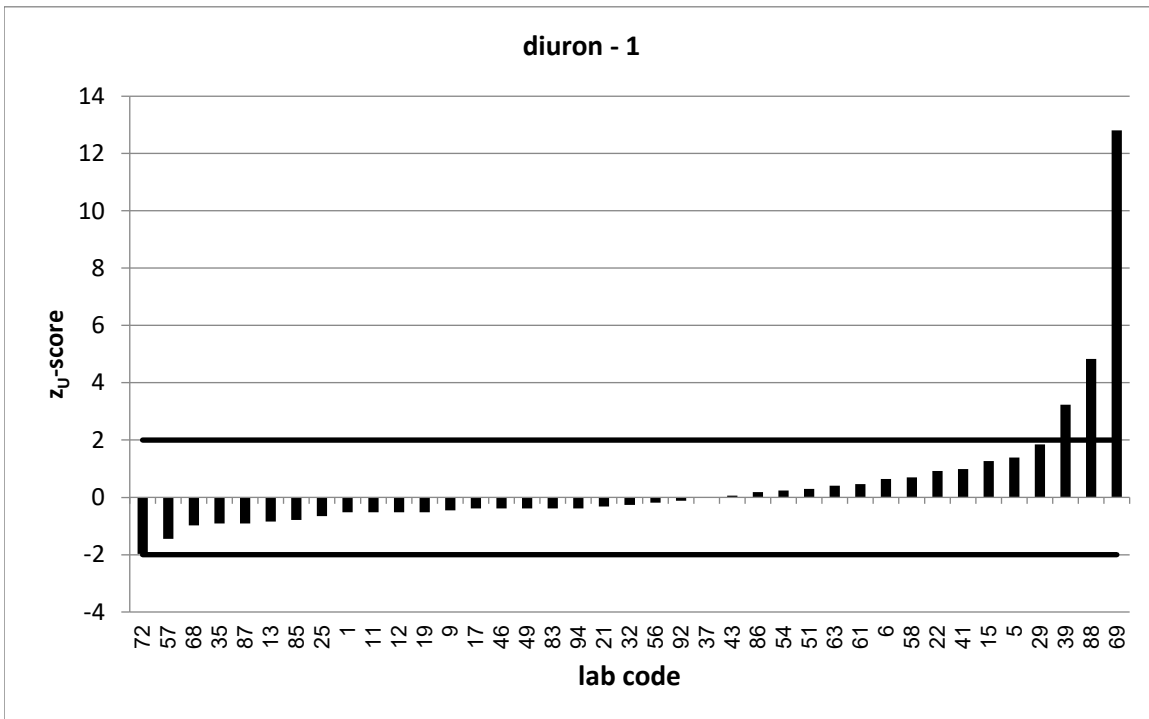
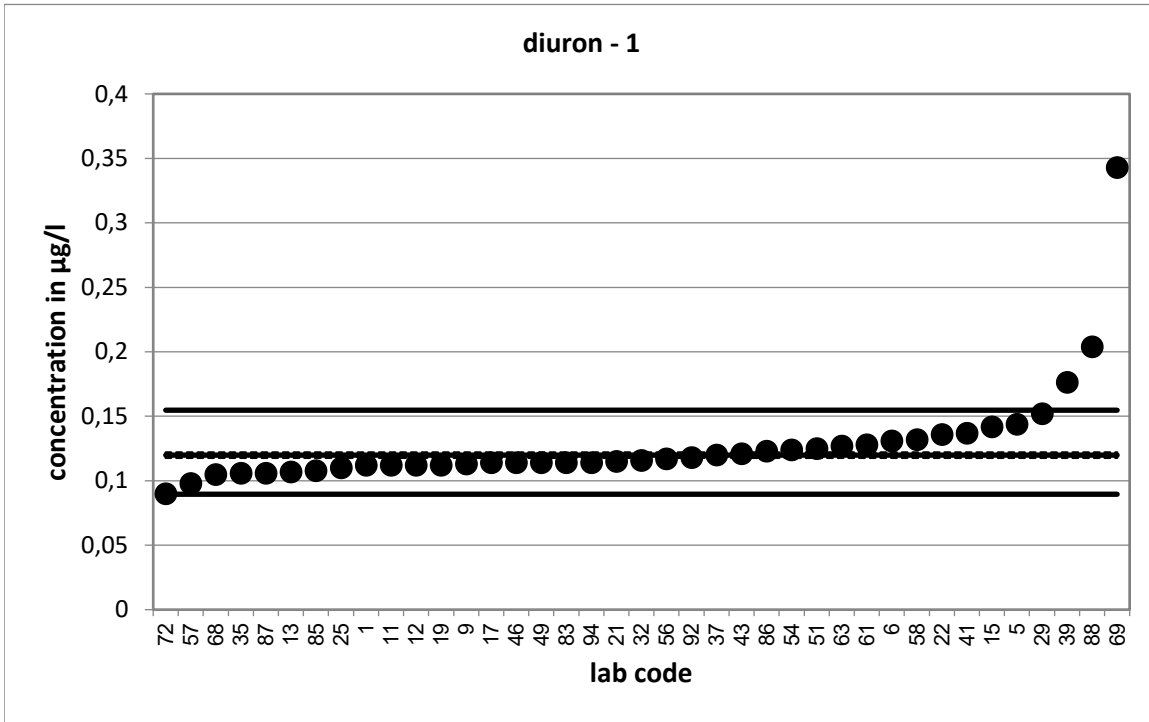


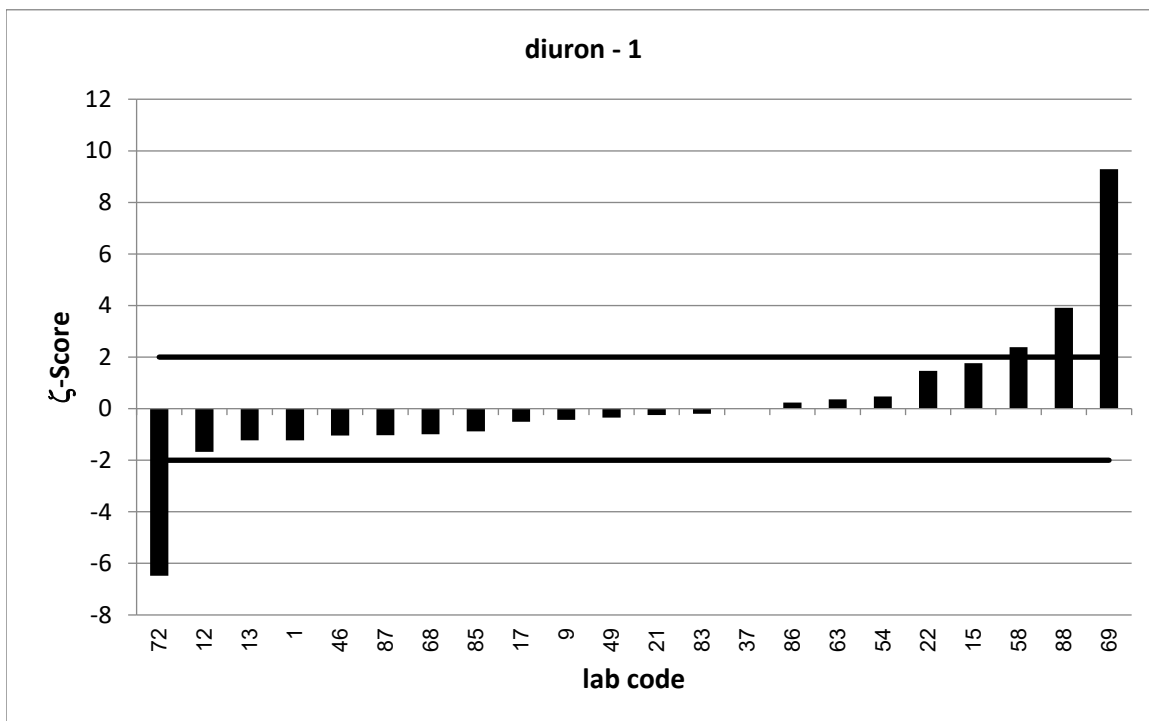
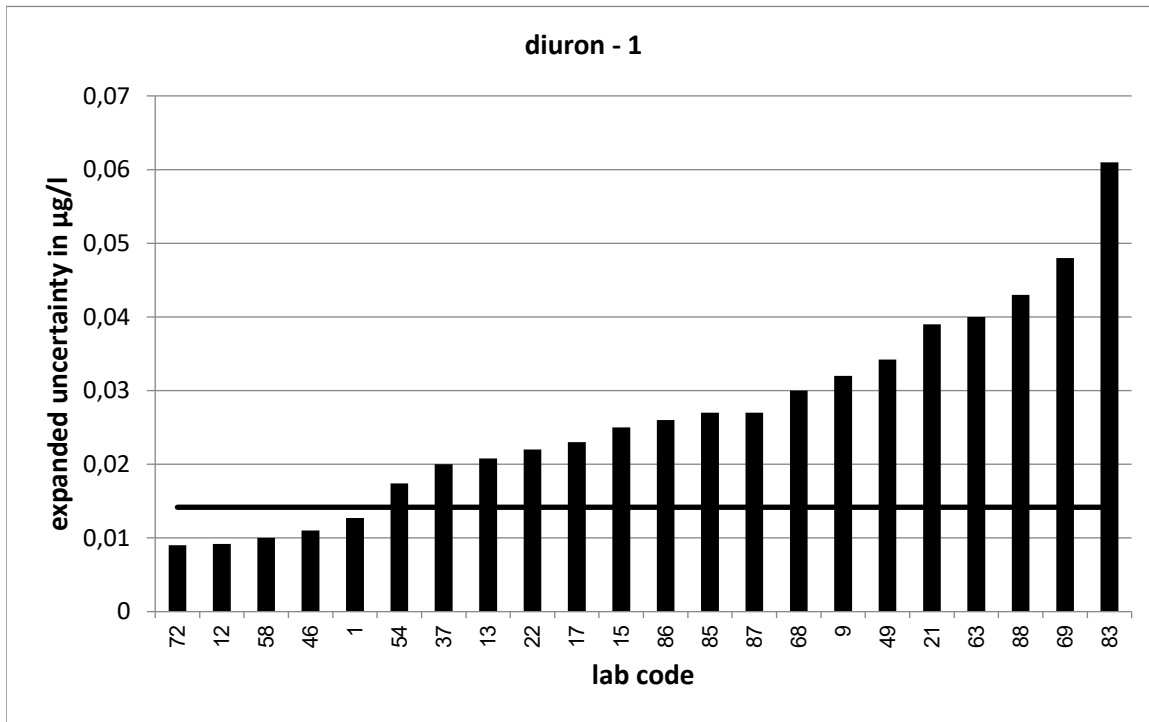


PT 7/20- TW O1		diuron - 1			
assigned value [$\mu\text{g/l}$]*		0,1199 \pm 0,002			
upper tolerance limit [$\mu\text{g/l}$]		0,1547			
lower tolerance limit [$\mu\text{g/l}$]		0,08953			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,112	0,013	-1,2	-0,5	s
5	0,144			1,4	s
6	0,131			0,6	s
9	0,113	0,032	-0,4	-0,5	s
11	0,112			-0,5	s
12	0,112	0,009	-1,7	-0,5	s
13	0,107	0,021	-1,2	-0,8	s
15	0,142	0,025	1,8	1,3	s
17	0,114	0,023	-0,5	-0,4	s
19	0,112			-0,5	s
21	0,115	0,039	-0,2	-0,3	s
22	0,136	0,022	1,5	0,9	s
25	0,11			-0,7	s
29	0,152			1,8	s
32	0,1159			-0,3	s
35	0,106			-0,9	s
37	0,12	0,02	0,0	0,0	s
39	0,1763			3,2	u
41	0,137			1,0	s
43	0,121			0,1	s
46	0,114	0,011	-1,0	-0,4	s
49	0,114	0,034	-0,3	-0,4	s
51	0,125			0,3	s
54	0,124	0,017	0,5	0,2	s
56	0,117			-0,2	s
57	0,098			-1,4	s
58	0,132	0,01	2,4	0,7	s
61	0,128			0,5	s
63	0,127	0,04	0,4	0,4	s
68	0,105	0,03	-1,0	-1,0	s
69	0,343	0,048	9,3	12,8	u
72	0,09	0,009	-6,5	-2,0	s
83	0,114	0,061	-0,2	-0,4	s
85	0,108	0,027	-0,9	-0,8	s
86	0,123	0,026	0,2	0,2	s
87	0,106	0,027	-1,0	-0,9	s
88	0,204	0,043	3,9	4,8	u
92	0,118			-0,1	s
94	0,114			-0,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

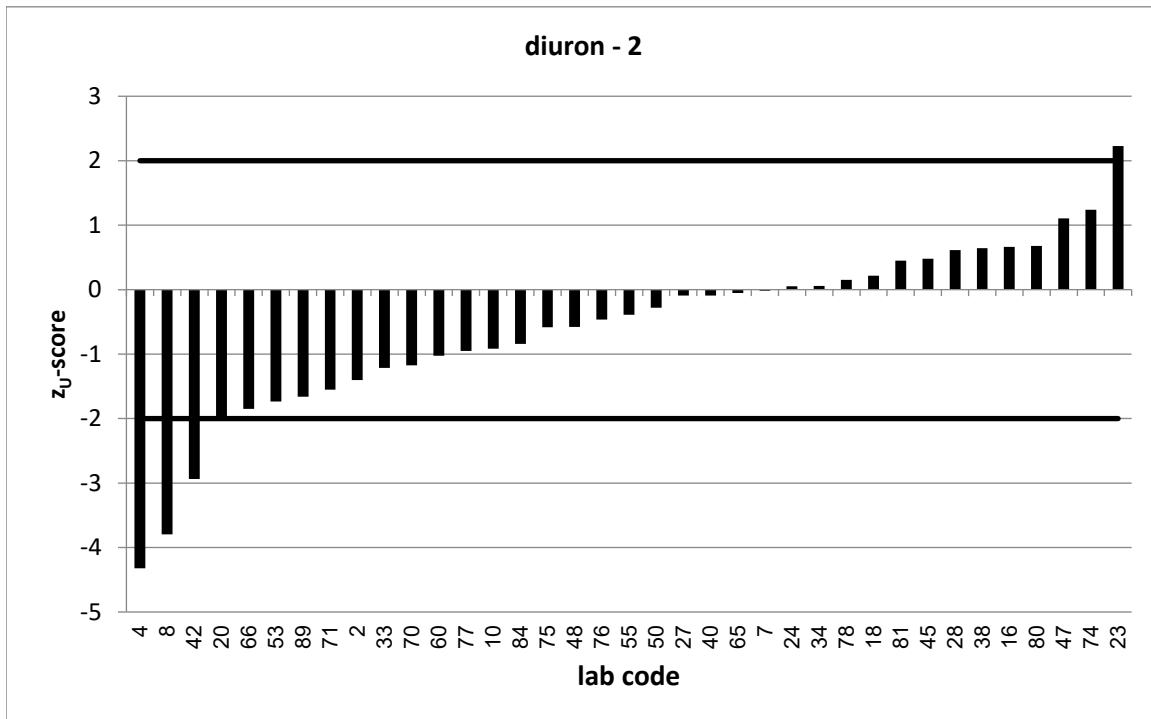
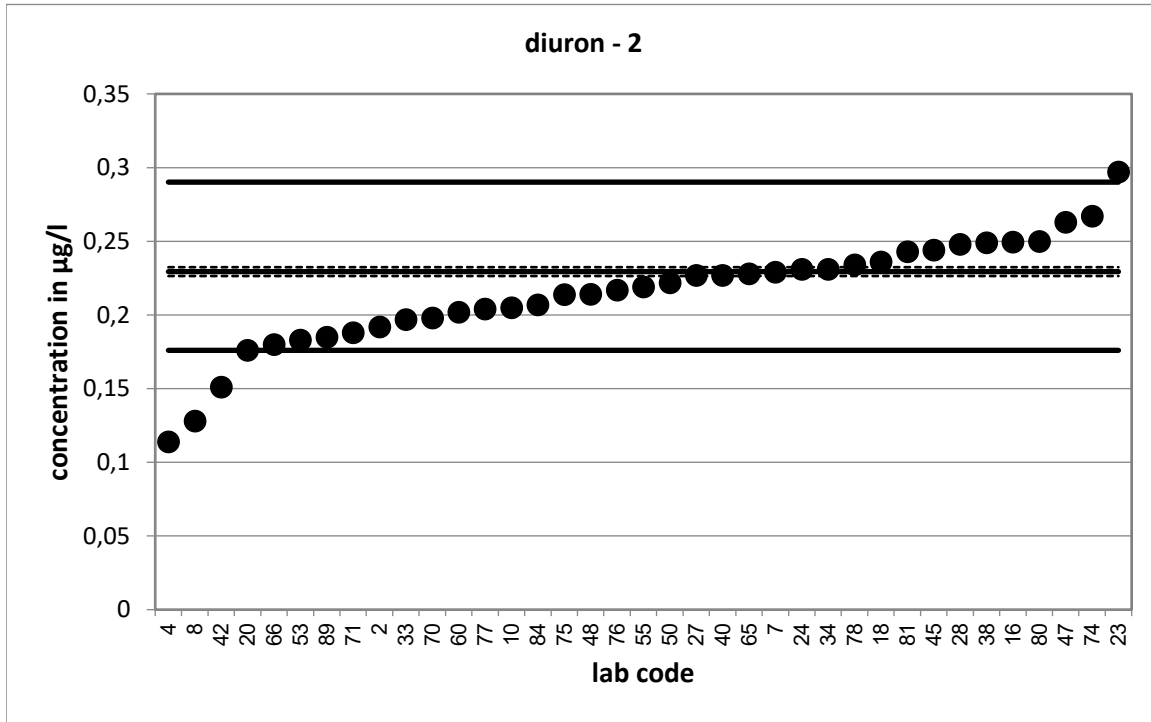


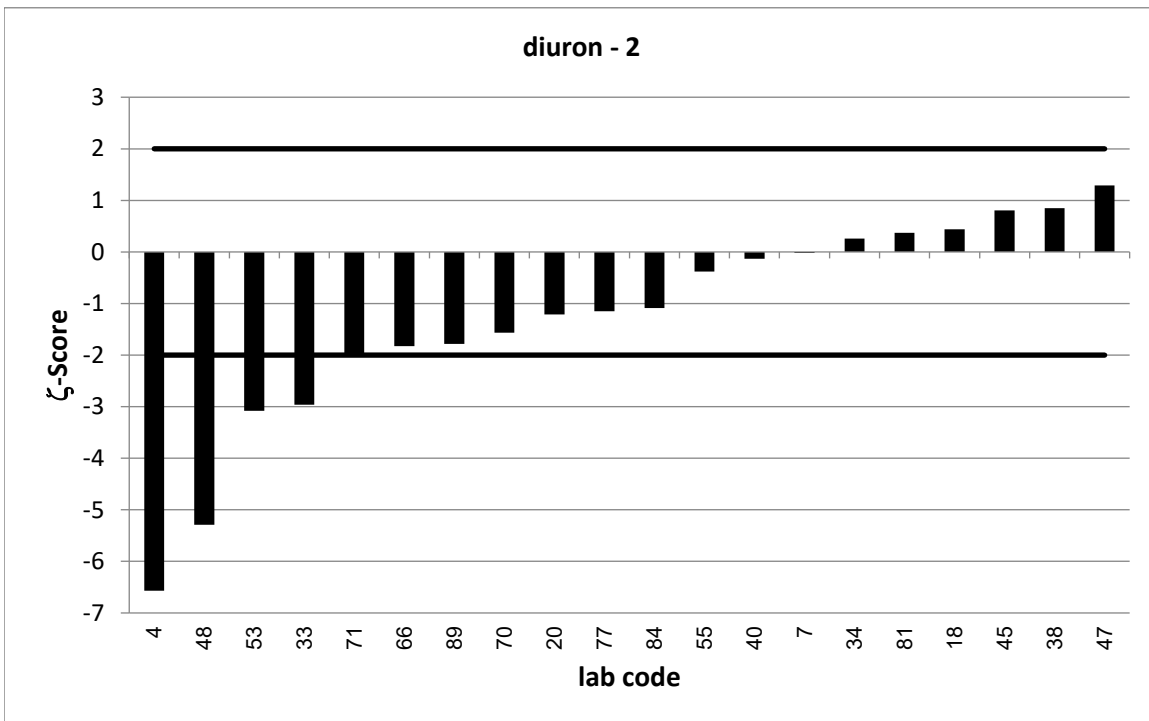
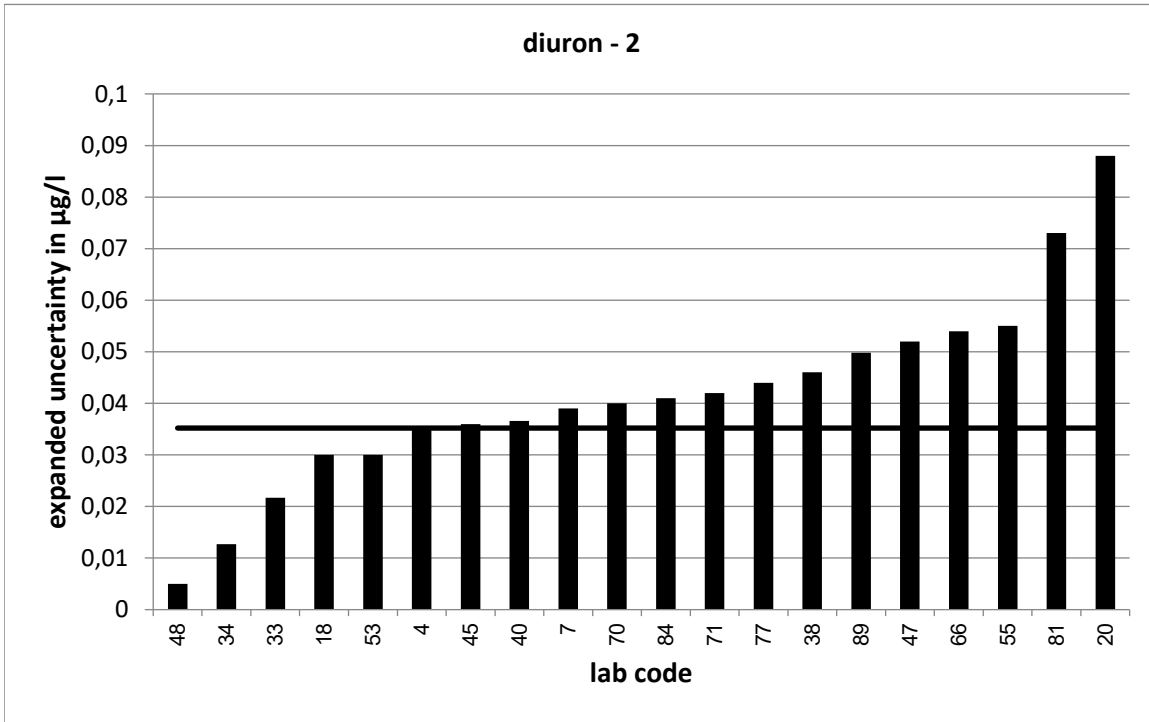


PT 7/20- TW O1		diuron - 2			
assigned value [$\mu\text{g/l}$]*		0,2294 \pm 0,003			
upper tolerance limit [$\mu\text{g/l}$]		0,2901			
lower tolerance limit [$\mu\text{g/l}$]		0,176			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,192			-1,4	s
4	0,114	0,035	-6,6	-4,3	u
7	0,229	0,039	0,0	0,0	s
8	0,128			-3,8	u
10	0,205			-0,9	s
16	0,2495			0,7	s
18	0,236	0,03	0,4	0,2	s
20	0,176	0,088	-1,2	-2,0	s
23	0,297			2,2	q
24	0,231			0,1	s
27	0,227			-0,1	s
28	0,248			0,6	s
33	0,197	0,022	-3,0	-1,2	s
34	0,2311	0,013	0,3	0,1	s
38	0,249	0,046	0,8	0,6	s
40	0,227	0,037	-0,1	-0,1	s
42	0,151			-2,9	q
45	0,244	0,036	0,8	0,5	s
47	0,263	0,052	1,3	1,1	s
48	0,214	0,005	-5,3	-0,6	s
50	0,222			-0,3	s
53	0,183	0,03	-3,1	-1,7	s
55	0,219	0,055	-0,4	-0,4	s
60	0,202			-1,0	s
65	0,228			-0,1	s
66	0,18	0,054	-1,8	-1,8	s
70	0,198	0,04	-1,6	-1,2	s
71	0,188	0,042	-2,0	-1,6	s
74	0,267			1,2	s
75	0,2138			-0,6	s
76	0,217			-0,5	s
77	0,204	0,044	-1,2	-1,0	s
78	0,234			0,2	s
80	0,25			0,7	s
81	0,243	0,073	0,4	0,4	s
84	0,207	0,041	-1,1	-0,8	s
89	0,185	0,05	-1,8	-1,7	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

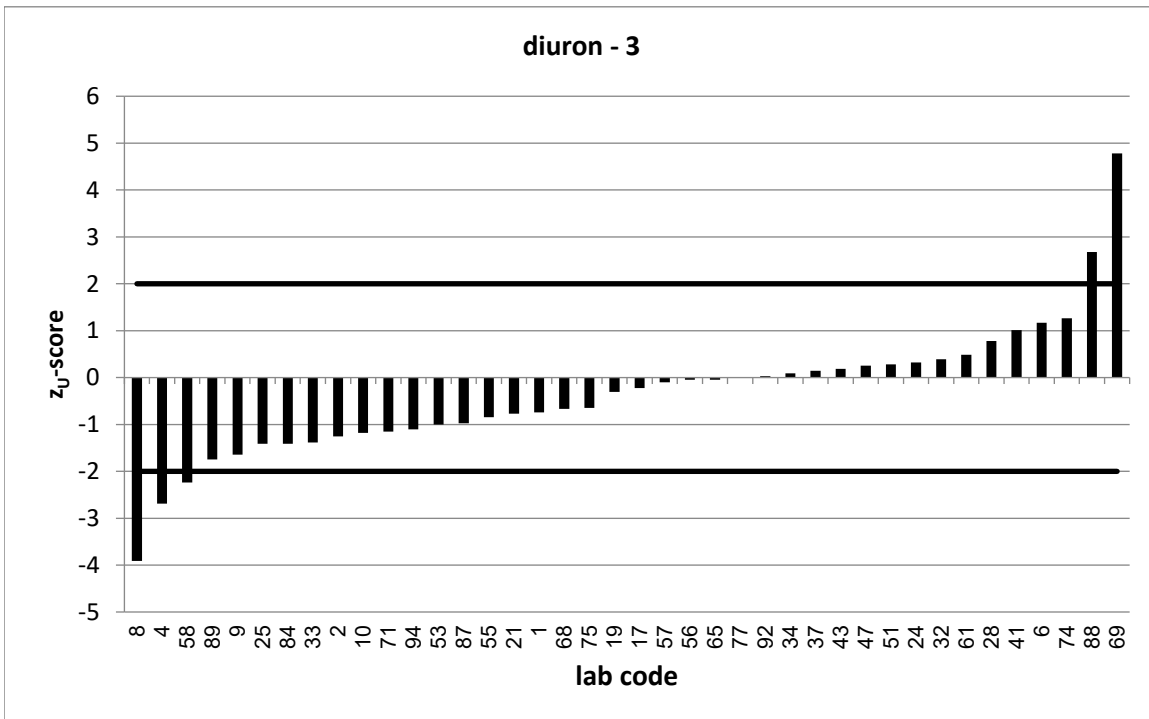
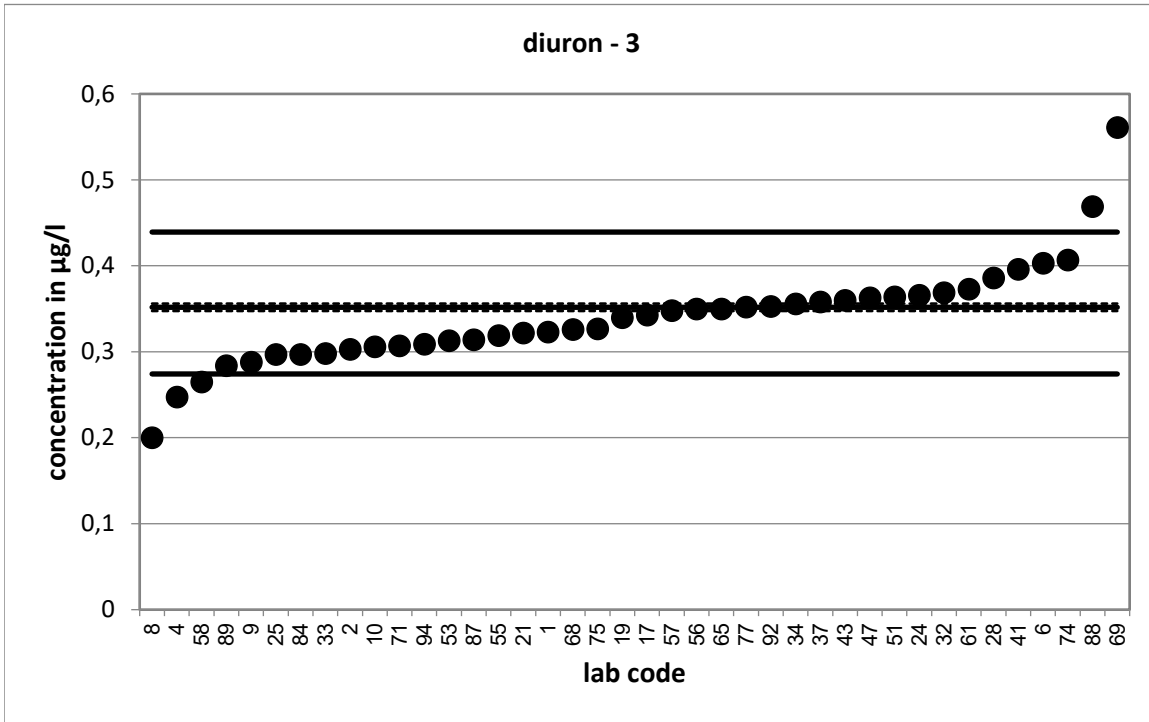


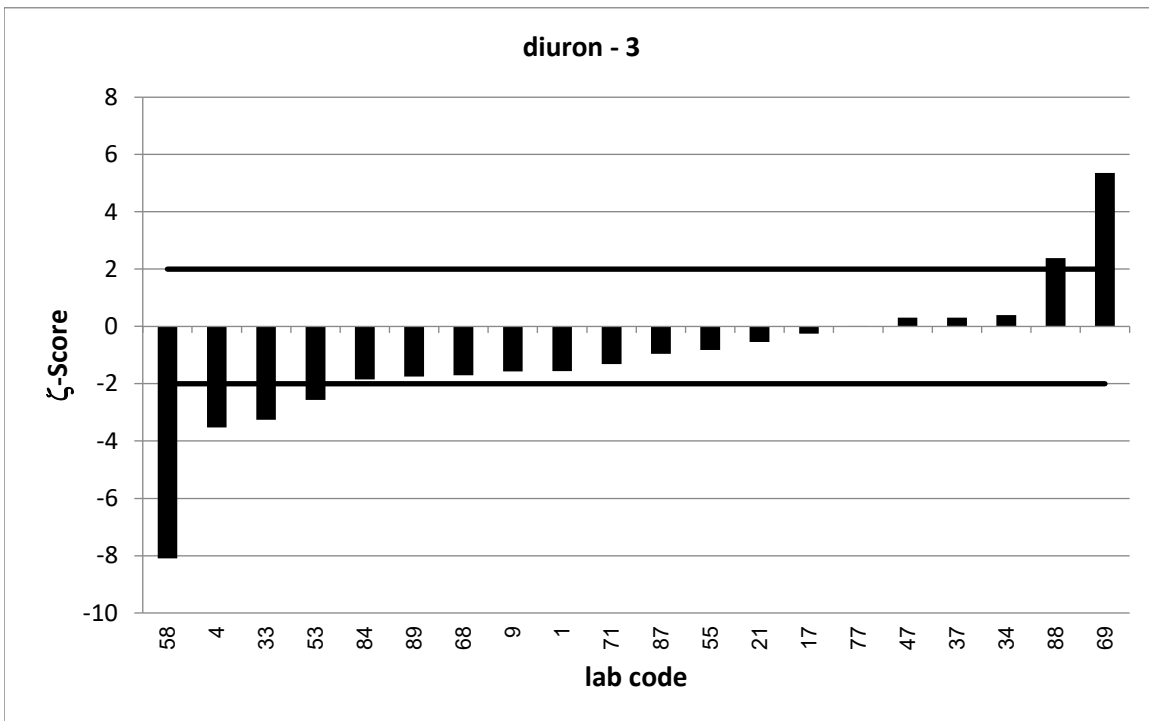
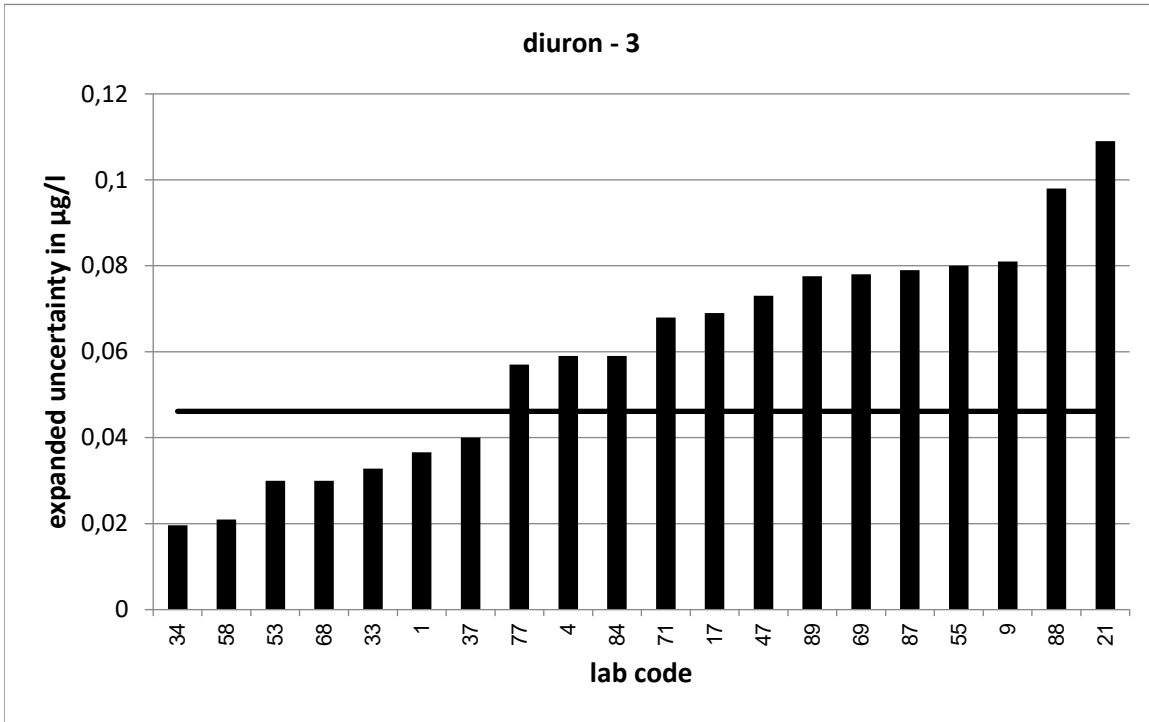


PT 7/20- TW O1		diuron - 3			
assigned value [$\mu\text{g/l}$]*		0,3518 \pm 0,0043			
upper tolerance limit [$\mu\text{g/l}$]		0,4393			
lower tolerance limit [$\mu\text{g/l}$]		0,2742			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,323	0,037	-1,6	-0,7	s
2	0,303			-1,3	s
4	0,2475	0,059	-3,5	-2,7	q
6	0,403			1,2	s
8	0,2			-3,9	u
9	0,288	0,081	-1,6	-1,6	s
10	0,306			-1,2	s
17	0,343	0,069	-0,3	-0,2	s
19	0,34			-0,3	s
21	0,322	0,109	-0,5	-0,8	s
24	0,366			0,3	s
25	0,297			-1,4	s
28	0,386			0,8	s
32	0,3688			0,4	s
33	0,298	0,033	-3,3	-1,4	s
34	0,3558	0,02	0,4	0,1	s
37	0,358	0,04	0,3	0,1	s
41	0,396			1,0	s
43	0,36			0,2	s
47	0,363	0,073	0,3	0,3	s
51	0,364			0,3	s
53	0,313	0,03	-2,6	-1,0	s
55	0,319	0,08	-0,8	-0,8	s
56	0,35			0,0	s
57	0,348			-0,1	s
58	0,265	0,021	-8,1	-2,2	q
61	0,373			0,5	s
65	0,35			0,0	s
68	0,326	0,03	-1,7	-0,7	s
69	0,561	0,078	5,4	4,8	u
71	0,307	0,068	-1,3	-1,2	s
74	0,407			1,3	s
75	0,3268			-0,6	s
77	0,352	0,057	0,0	0,0	s
84	0,297	0,059	-1,9	-1,4	s
87	0,314	0,079	-1,0	-1,0	s
88	0,469	0,098	2,4	2,7	q
89	0,284	0,078	-1,7	-1,7	s
92	0,353			0,0	s
94	0,309			-1,1	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

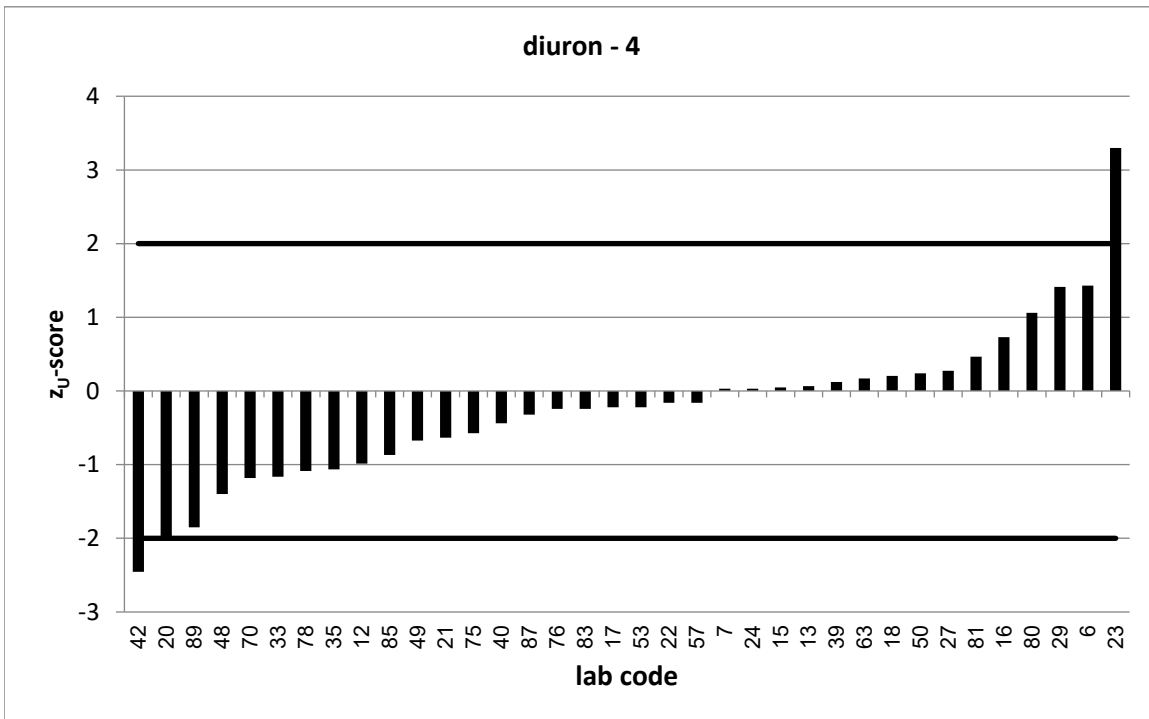
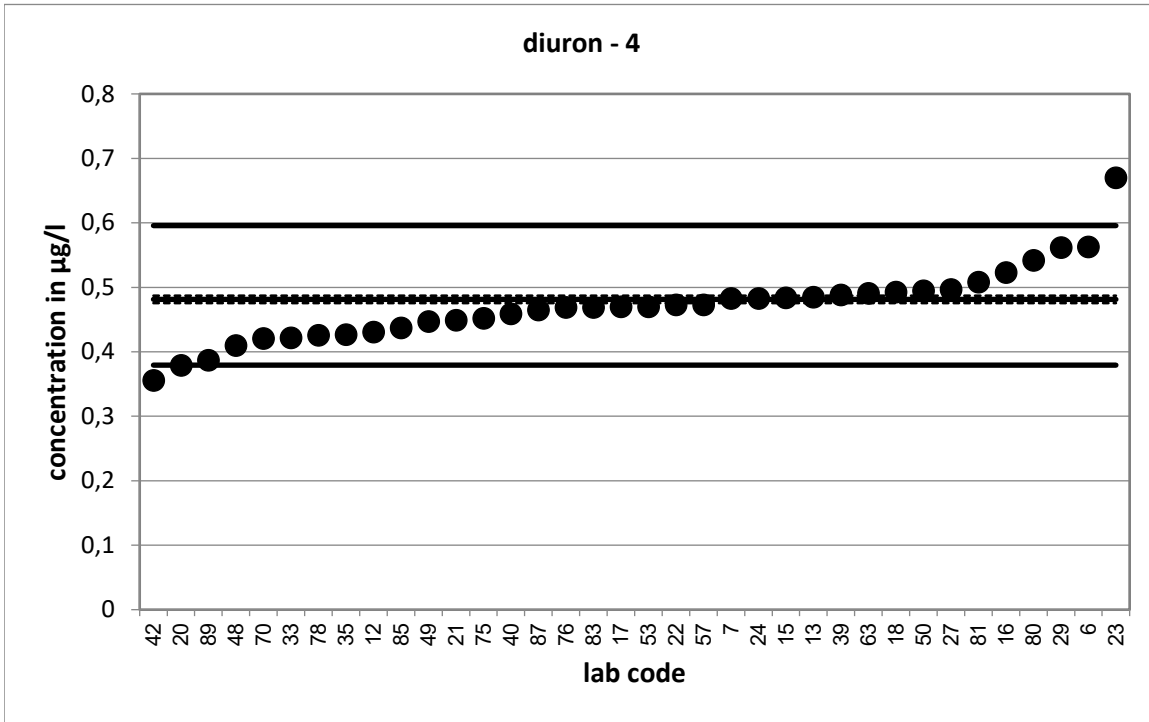


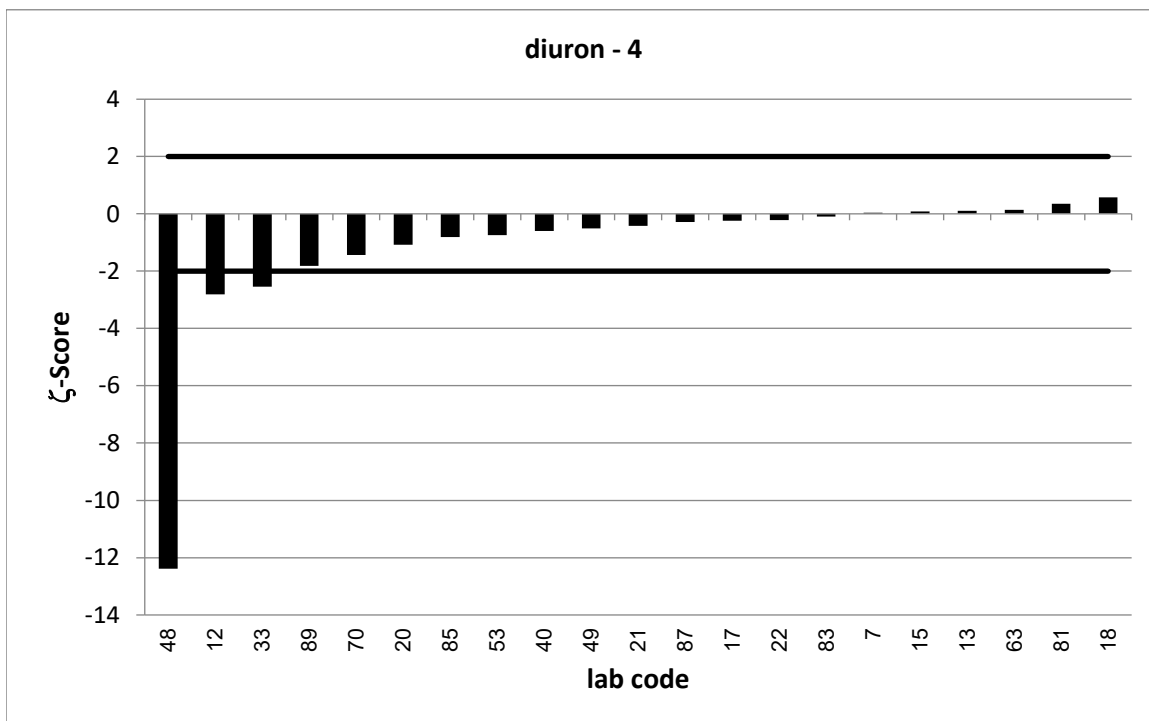
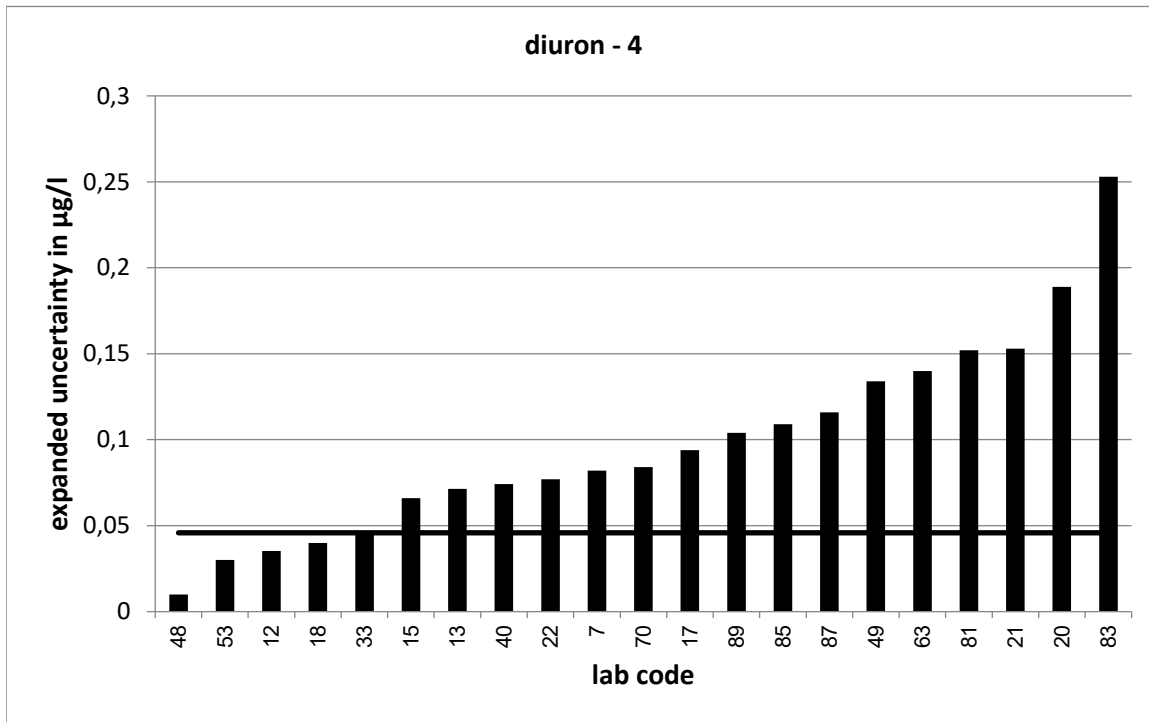


PT 7/20- TW O1		diuron - 4			
assigned value [$\mu\text{g/l}$]*		0,4813 \pm 0,0057			
upper tolerance limit [$\mu\text{g/l}$]		0,5957			
lower tolerance limit [$\mu\text{g/l}$]		0,3793			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
6	0,563			1,4	s
7	0,483	0,082	0,0	0,0	s
12	0,431	0,035	-2,8	-1,0	s
13	0,485	0,071	0,1	0,1	s
15	0,484	0,066	0,1	0,0	s
16	0,523			0,7	s
17	0,47	0,094	-0,2	-0,2	s
18	0,493	0,04	0,6	0,2	s
20	0,379	0,189	-1,1	-2,0	s
21	0,449	0,153	-0,4	-0,6	s
22	0,473	0,077	-0,2	-0,2	s
23	0,67			3,3	u
24	0,483			0,0	s
27	0,497			0,3	s
29	0,562			1,4	s
33	0,422	0,046	-2,5	-1,2	s
35	0,427			-1,1	s
39	0,4882			0,1	s
40	0,459	0,074	-0,6	-0,4	s
42	0,356			-2,5	q
48	0,41	0,01	-12,4	-1,4	s
49	0,447	0,134	-0,5	-0,7	s
50	0,495			0,2	s
53	0,47	0,03	-0,7	-0,2	s
57	0,473			-0,2	s
63	0,491	0,14	0,1	0,2	s
70	0,421	0,084	-1,4	-1,2	s
75	0,4521			-0,6	s
76	0,469			-0,2	s
78	0,426			-1,1	s
80	0,542			1,1	s
81	0,508	0,152	0,4	0,5	s
83	0,469	0,253	-0,1	-0,2	s
85	0,437	0,109	-0,8	-0,9	s
87	0,465	0,116	-0,3	-0,3	s
89	0,387	0,104	-1,8	-1,8	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

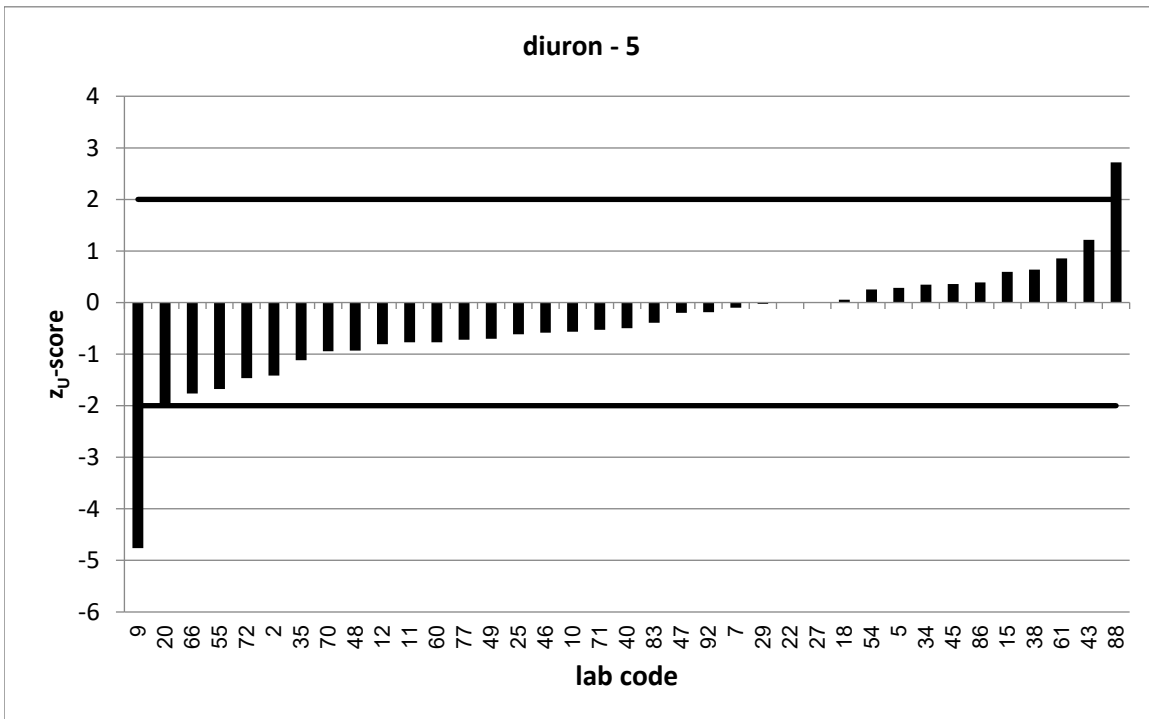
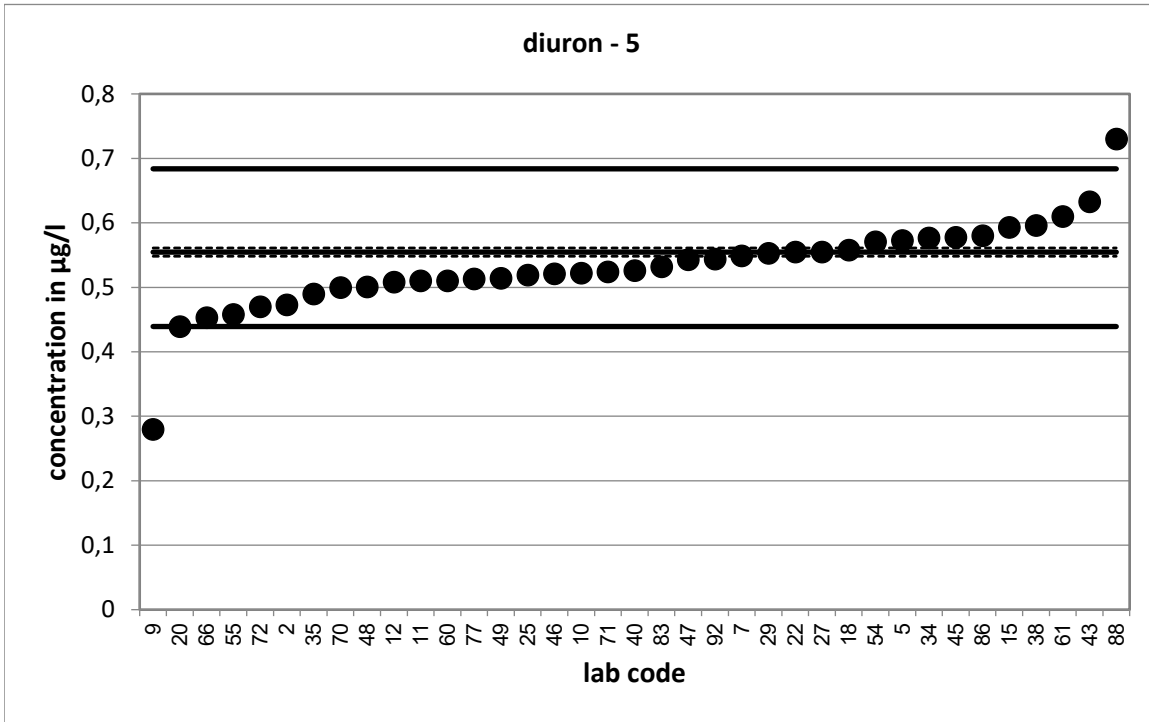


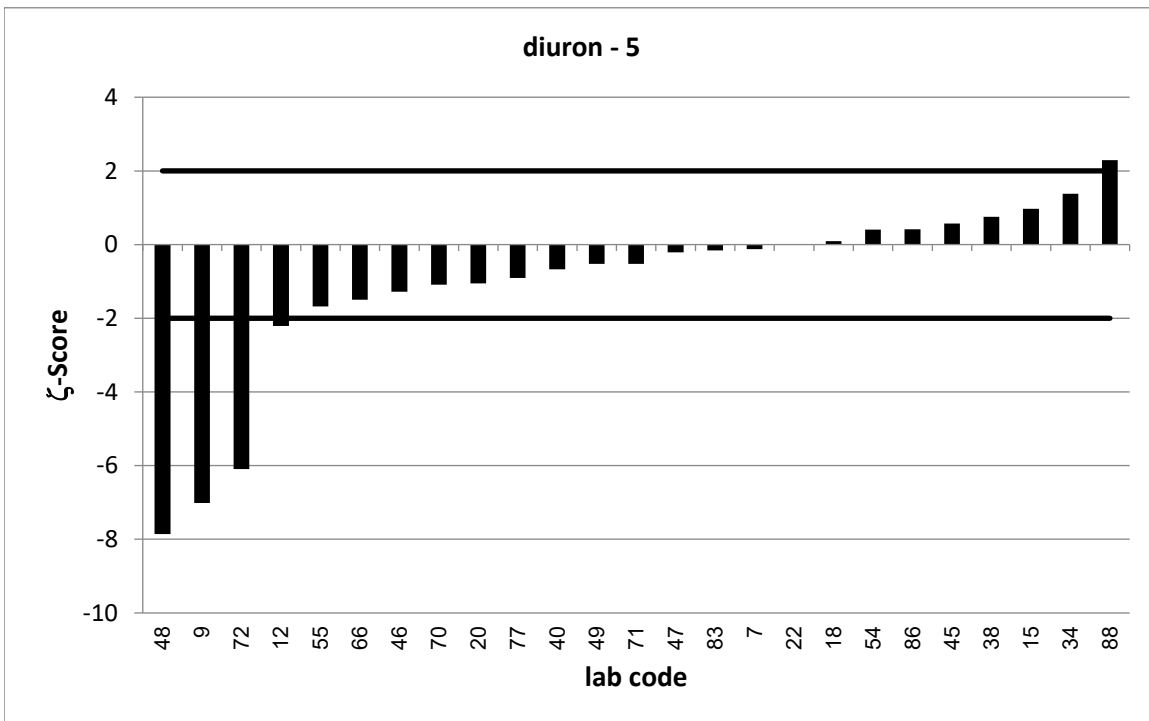
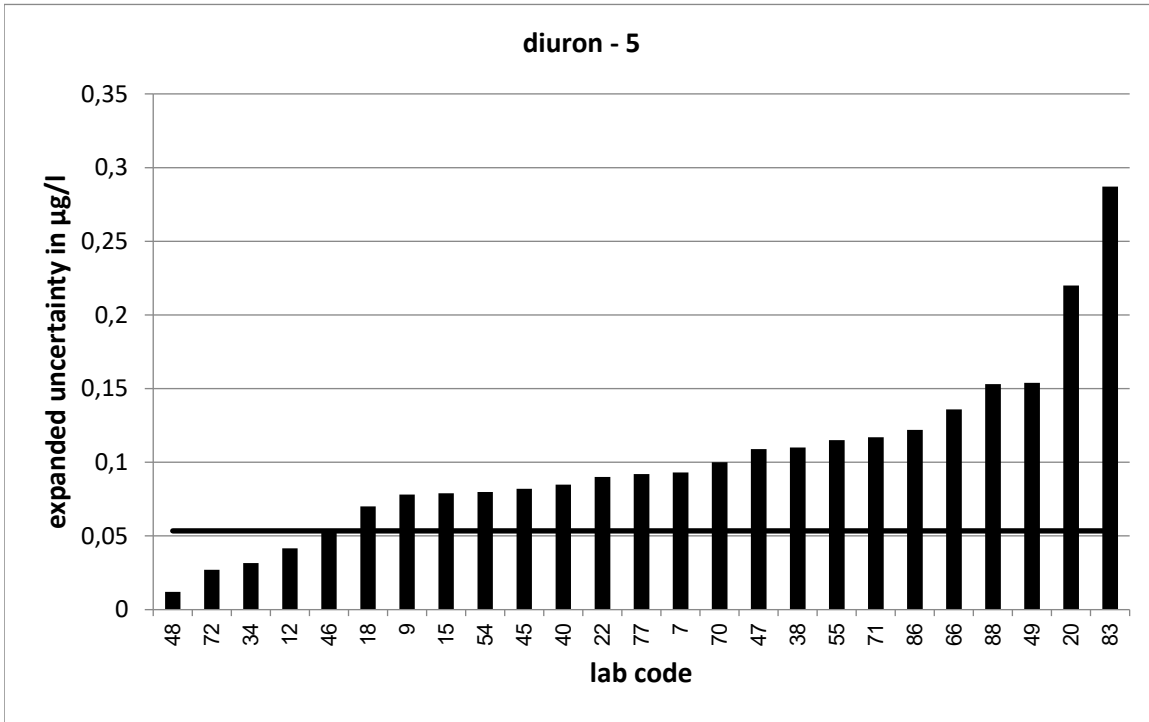


PT 7/20- TW O1		diuron - 5			
assigned value [$\mu\text{g/l}$]*		0,5546 \pm 0,0065			
upper tolerance limit [$\mu\text{g/l}$]		0,6838			
lower tolerance limit [$\mu\text{g/l}$]		0,4392			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,473			-1,4	s
5	0,573			0,3	s
7	0,549	0,093	-0,1	-0,1	s
9	0,28	0,078	-7,0	-4,8	u
10	0,522			-0,6	s
11	0,51			-0,8	s
12	0,508	0,042	-2,2	-0,8	s
15	0,593	0,079	1,0	0,6	s
18	0,558	0,07	0,1	0,1	s
20	0,439	0,22	-1,1	-2,0	s
22	0,555	0,09	0,0	0,0	s
25	0,519			-0,6	s
27	0,555			0,0	s
29	0,553			0,0	s
34	0,577	0,032	1,4	0,3	s
35	0,49			-1,1	s
38	0,596	0,11	0,8	0,6	s
40	0,526	0,085	-0,7	-0,5	s
43	0,633			1,2	s
45	0,578	0,082	0,6	0,4	s
46	0,521	0,052	-1,3	-0,6	s
47	0,543	0,109	-0,2	-0,2	s
48	0,501	0,012	-7,9	-0,9	s
49	0,514	0,154	-0,5	-0,7	s
54	0,571	0,08	0,4	0,3	s
55	0,458	0,115	-1,7	-1,7	s
60	0,51			-0,8	s
61	0,61			0,9	s
66	0,453	0,136	-1,5	-1,8	s
70	0,5	0,1	-1,1	-0,9	s
71	0,524	0,117	-0,5	-0,5	s
72	0,47	0,027	-6,1	-1,5	s
77	0,513	0,092	-0,9	-0,7	s
83	0,532	0,287	-0,2	-0,4	s
86	0,58	0,122	0,4	0,4	s
88	0,73	0,153	2,3	2,7	q
92	0,544			-0,2	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

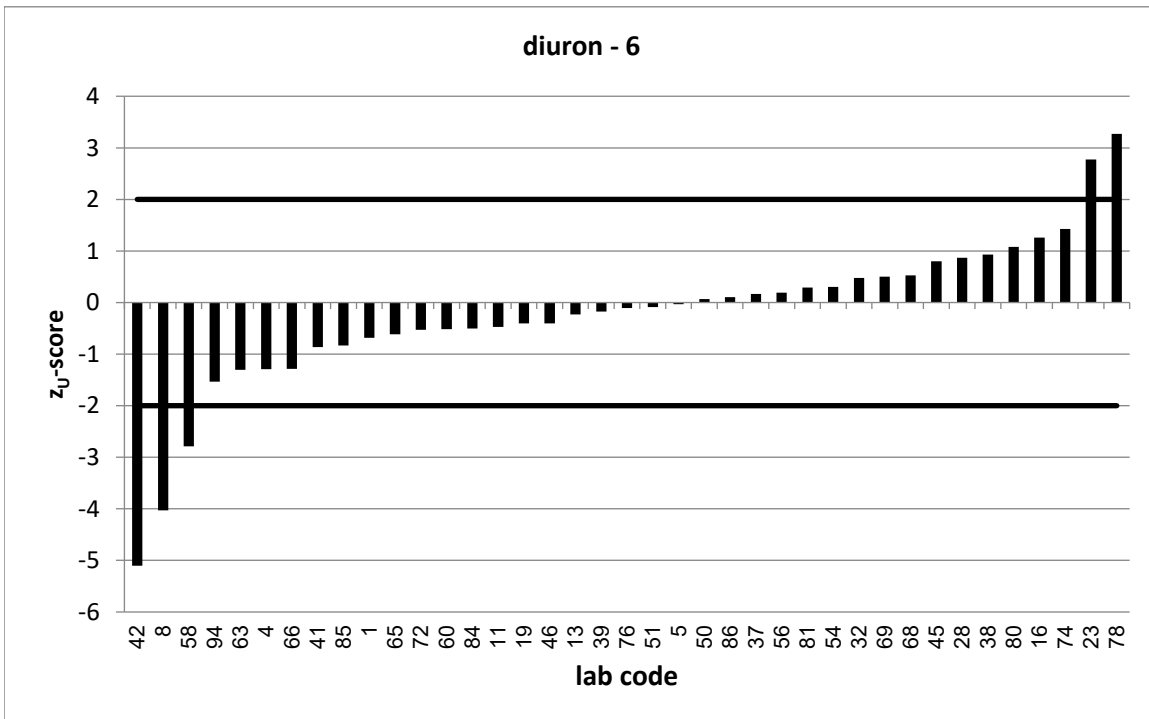
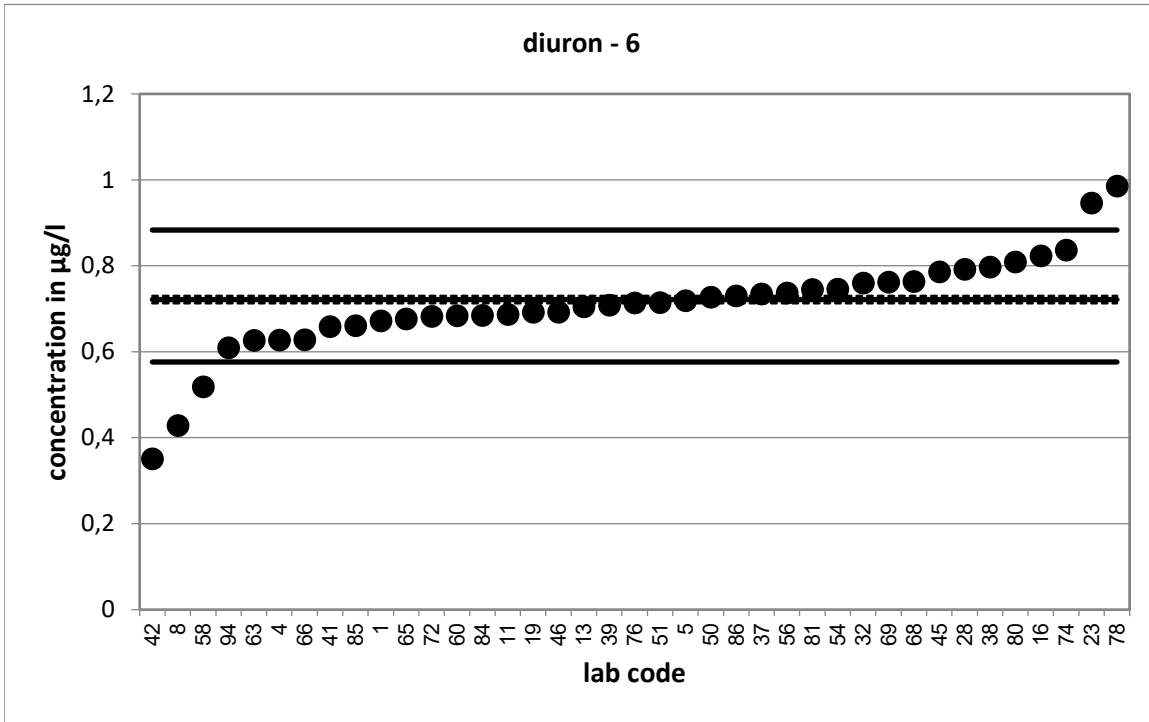


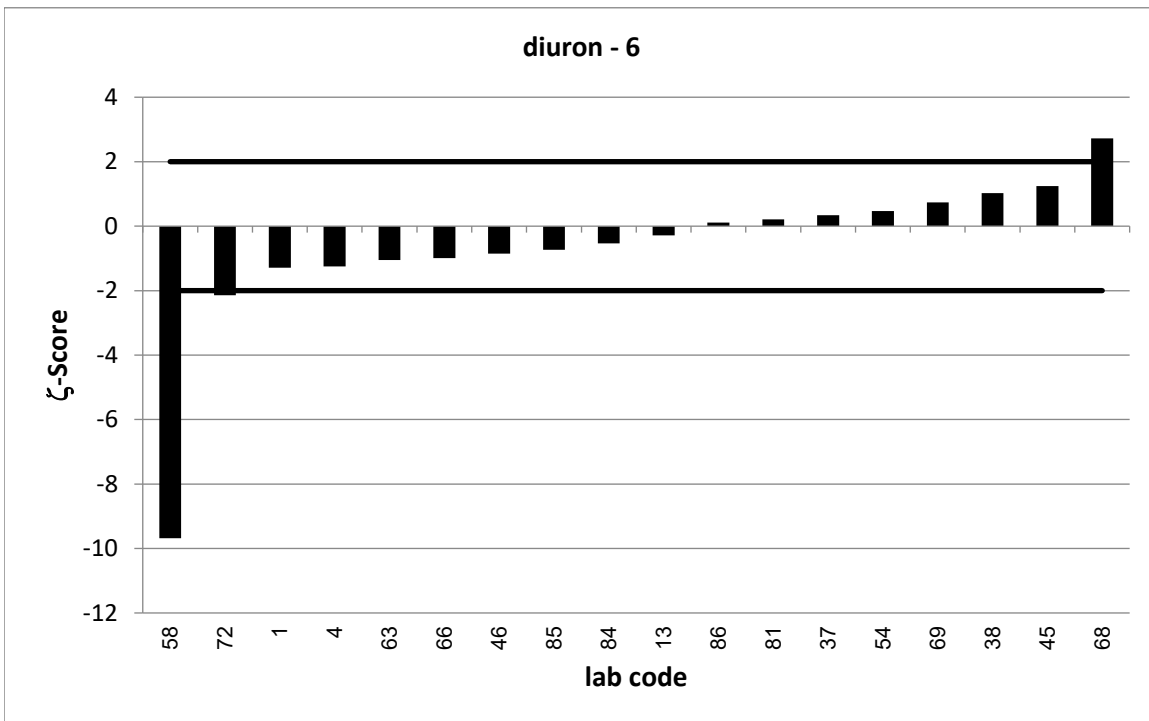
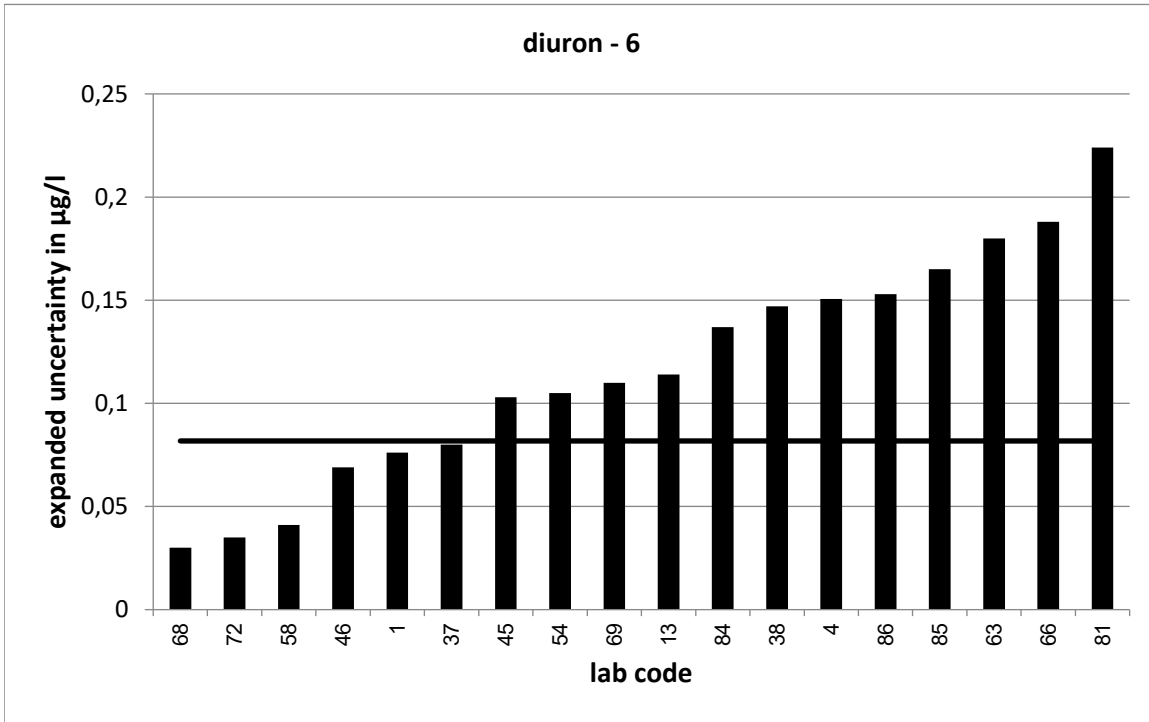


PT 7/20- TW O1		diuron - 6			
assigned value [$\mu\text{g/l}$]*		0,7215 \pm 0,0084			
upper tolerance limit [$\mu\text{g/l}$]		0,8833			
lower tolerance limit [$\mu\text{g/l}$]		0,5763			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,672	0,076	-1,3	-0,7	s
4	0,6275	0,151	-1,2	-1,3	s
5	0,719			0,0	s
8	0,429			-4,0	u
11	0,687			-0,5	s
13	0,705	0,114	-0,3	-0,2	s
16	0,8234			1,3	s
19	0,692			-0,4	s
23	0,946			2,8	q
28	0,792			0,9	s
32	0,7601			0,5	s
37	0,735	0,08	0,3	0,2	s
38	0,797	0,147	1,0	0,9	s
39	0,7088			-0,2	s
41	0,659			-0,9	s
42	0,351			-5,1	u
45	0,786	0,103	1,2	0,8	s
46	0,692	0,069	-0,8	-0,4	s
50	0,727			0,1	s
51	0,715			-0,1	s
54	0,746	0,105	0,5	0,3	s
56	0,737			0,2	s
58	0,519	0,041	-9,7	-2,8	q
60	0,684			-0,5	s
63	0,627	0,18	-1,0	-1,3	s
65	0,677			-0,6	s
66	0,628	0,188	-1,0	-1,3	s
68	0,764	0,03	2,7	0,5	s
69	0,762	0,11	0,7	0,5	s
72	0,683	0,035	-2,1	-0,5	s
74	0,837			1,4	s
76	0,714			-0,1	s
78	0,986			3,3	u
80	0,809			1,1	s
81	0,745	0,224	0,2	0,3	s
84	0,685	0,137	-0,5	-0,5	s
85	0,661	0,165	-0,7	-0,8	s
86	0,73	0,153	0,1	0,1	s
94	0,61			-1,5	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

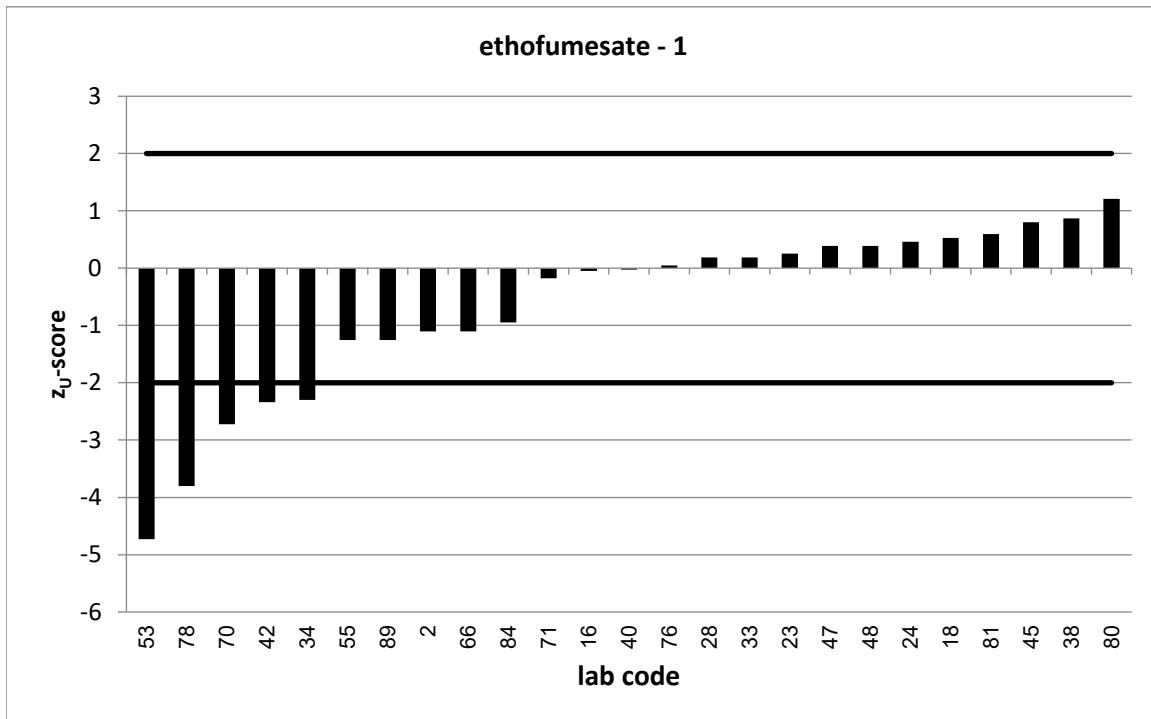
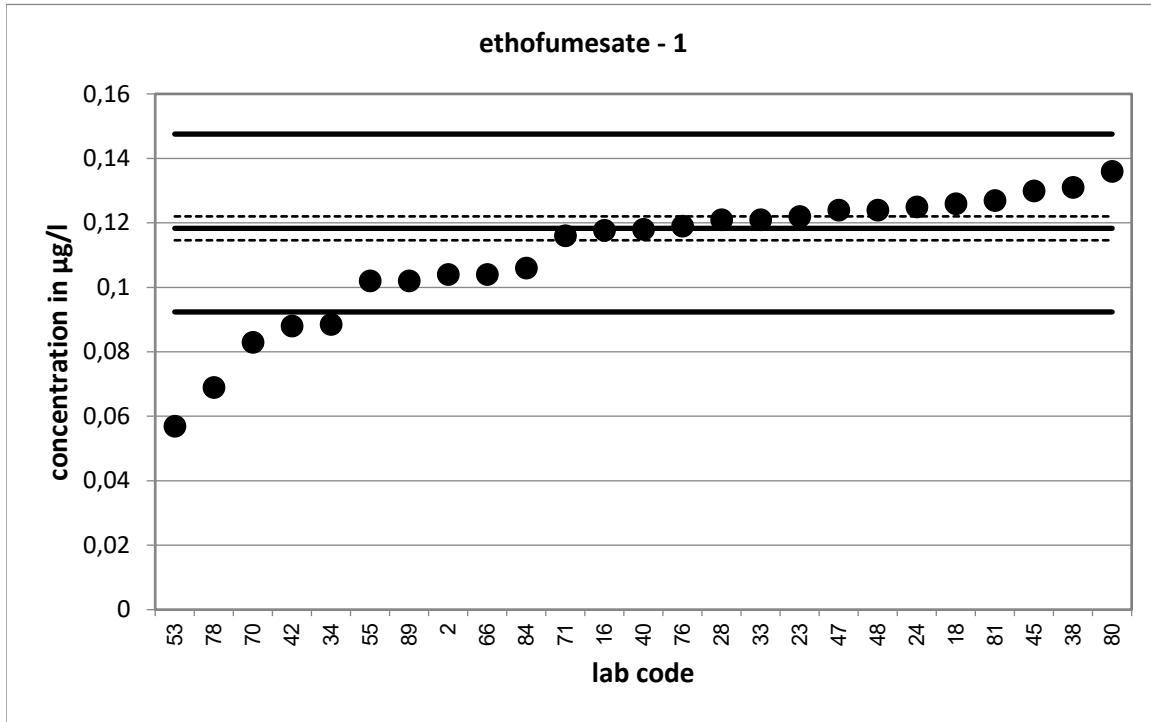


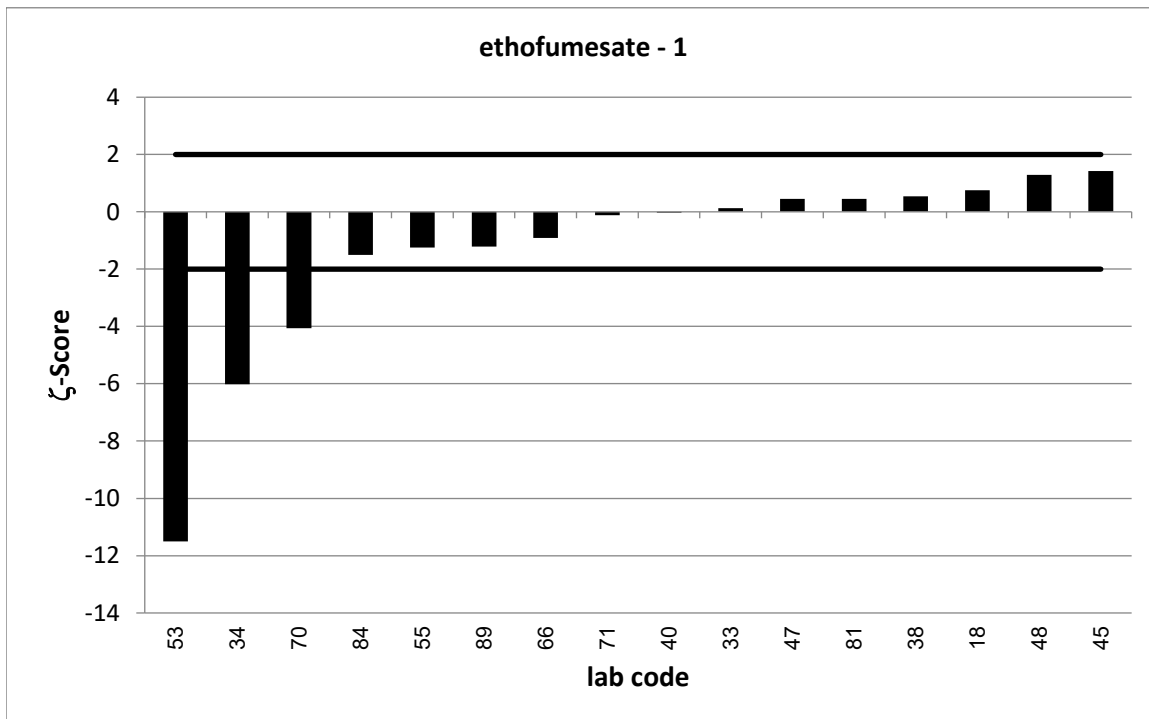
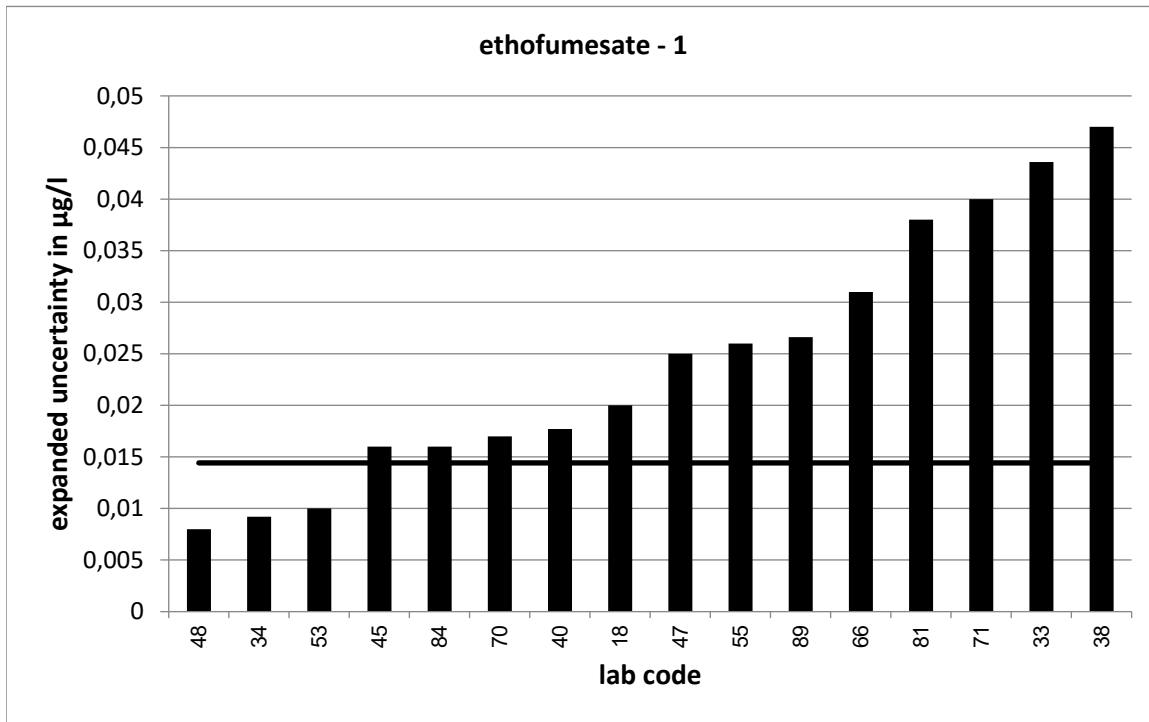


PT 7/20- TW O1		ethofumesate - 1			
assigned value [$\mu\text{g/l}$]*		0,1183 \pm 0,0037			
upper tolerance limit [$\mu\text{g/l}$]		0,1475			
lower tolerance limit [$\mu\text{g/l}$]		0,09236			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,104			-1,1	s
16	0,1177			0,0	s
18	0,126	0,02	0,8	0,5	s
23	0,122			0,3	s
24	0,125			0,5	s
28	0,121			0,2	s
33	0,121	0,044	0,1	0,2	s
34	0,0885	0,009	-6,0	-2,3	q
38	0,131	0,047	0,5	0,9	s
40	0,118	0,018	0,0	0,0	s
42	0,088			-2,3	q
45	0,13	0,016	1,4	0,8	s
47	0,124	0,025	0,5	0,4	s
48	0,124	0,008	1,3	0,4	s
53	0,057	0,01	-11,5	-4,7	u
55	0,102	0,026	-1,2	-1,3	s
66	0,104	0,031	-0,9	-1,1	s
70	0,083	0,017	-4,1	-2,7	q
71	0,116	0,04	-0,1	-0,2	s
76	0,119			0,0	s
78	0,069			-3,8	u
80	0,136			1,2	s
81	0,127	0,038	0,5	0,6	s
84	0,106	0,016	-1,5	-0,9	s
89	0,102	0,027	-1,2	-1,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

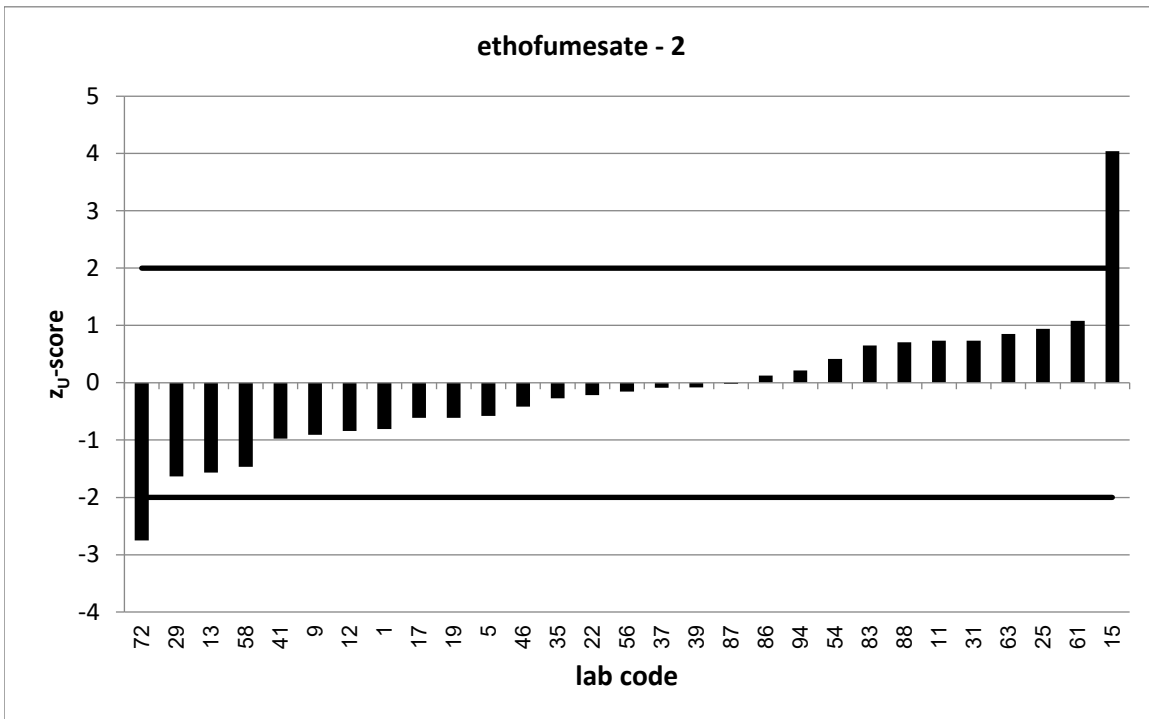
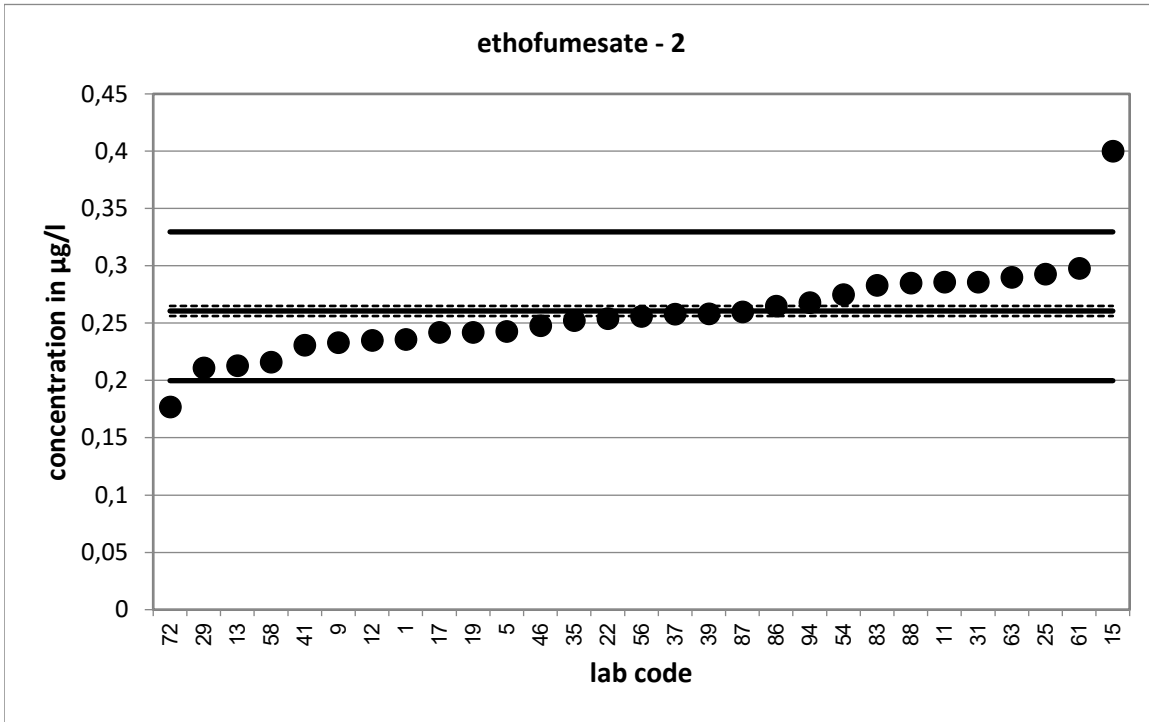


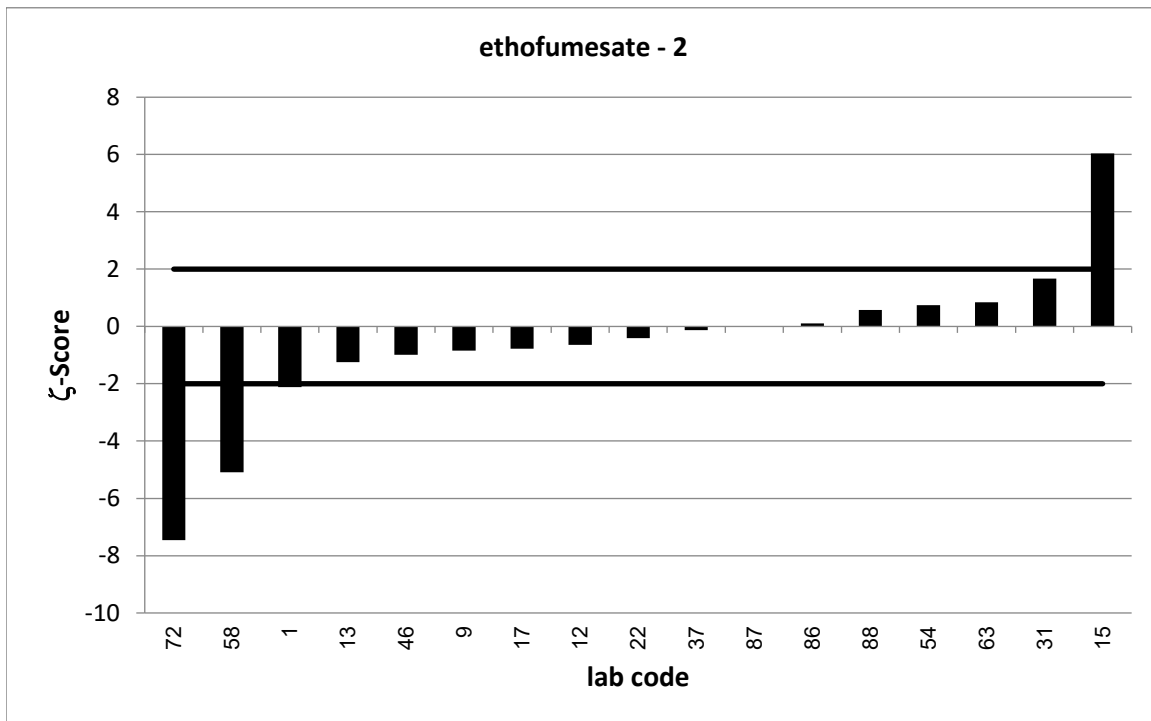
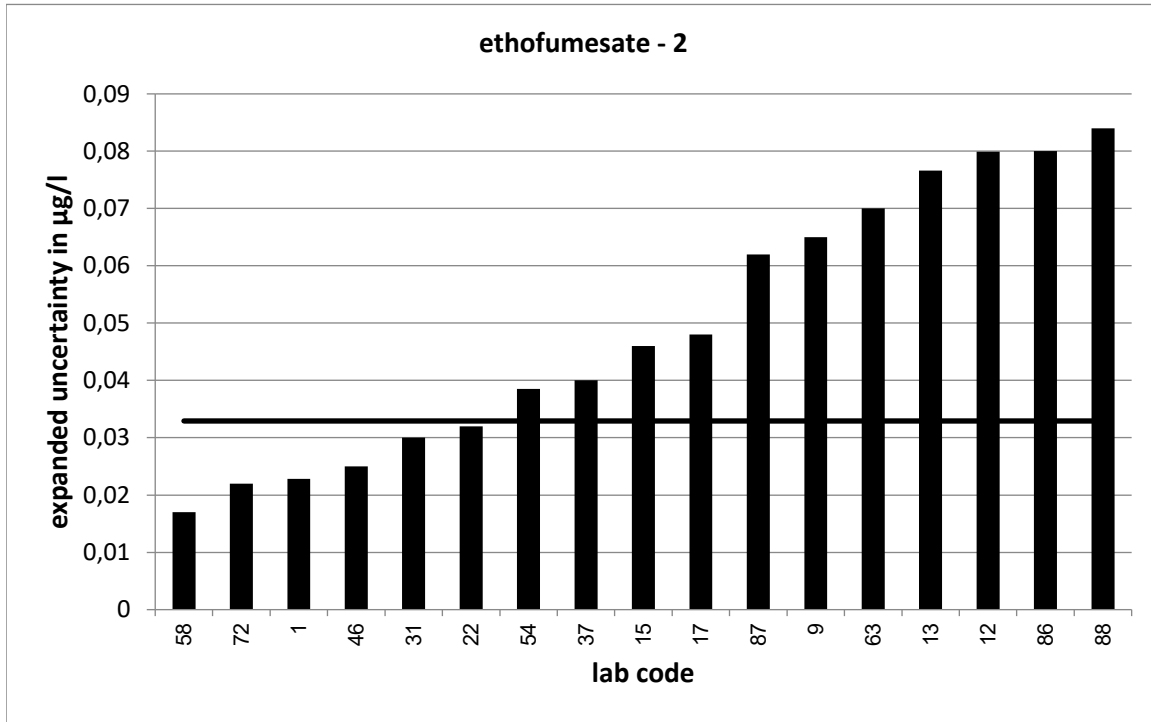


PT 7/20- TW O1		ethofumesate - 2			
assigned value [$\mu\text{g/l}$]*		0,2606 \pm 0,0044			
upper tolerance limit [$\mu\text{g/l}$]		0,3296			
lower tolerance limit [$\mu\text{g/l}$]		0,1998			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,236	0,023	-2,1	-0,8	s
5	0,243			-0,6	s
9	0,233	0,065	-0,8	-0,9	s
11	0,286			0,7	s
12	0,235	0,08	-0,6	-0,8	s
13	0,213	0,077	-1,2	-1,6	s
15	0,4	0,046	6,0	4,0	u
17	0,242	0,048	-0,8	-0,6	s
19	0,242			-0,6	s
22	0,254	0,032	-0,4	-0,2	s
25	0,293			0,9	s
29	0,211			-1,6	s
31	0,286	0,03	1,7	0,7	s
35	0,2524			-0,3	s
37	0,258	0,04	-0,1	-0,1	s
39	0,2581			-0,1	s
41	0,231			-1,0	s
46	0,248	0,025	-1,0	-0,4	s
54	0,275	0,039	0,7	0,4	s
56	0,256			-0,2	s
58	0,216	0,017	-5,1	-1,5	s
61	0,298			1,1	s
63	0,29	0,07	0,8	0,9	s
72	0,177	0,022	-7,5	-2,7	q
83	0,283			0,6	s
86	0,265	0,08	0,1	0,1	s
87	0,26	0,062	0,0	0,0	s
88	0,285	0,084	0,6	0,7	s
94	0,268			0,2	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

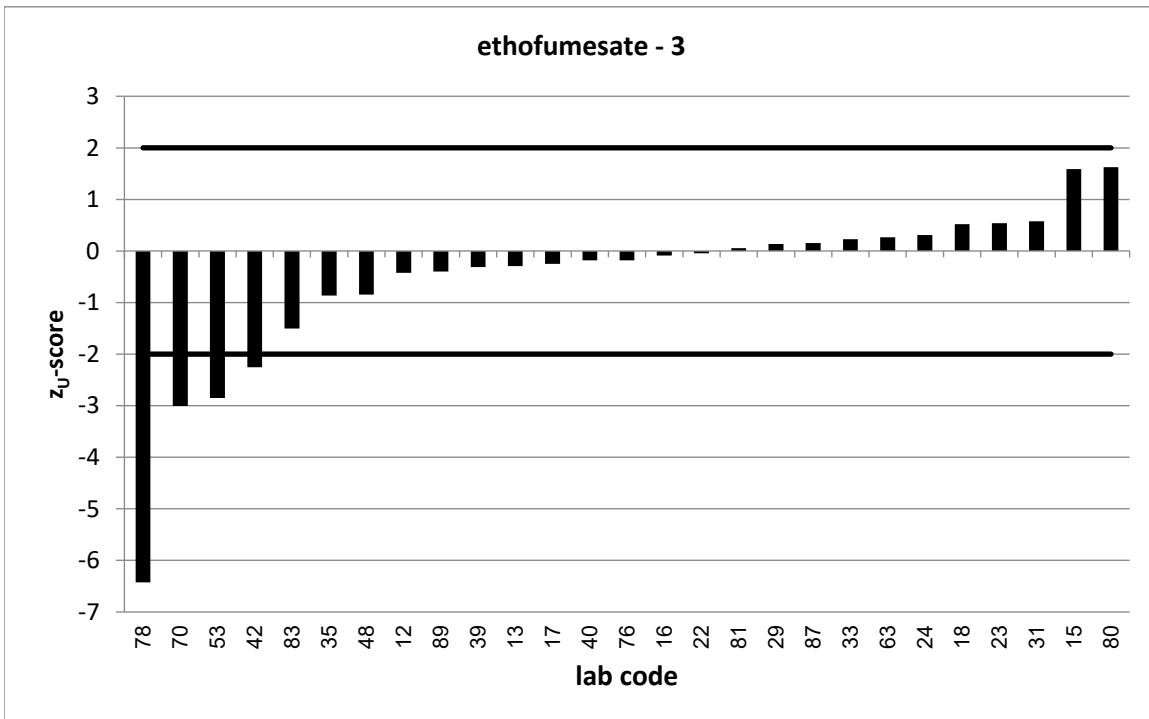
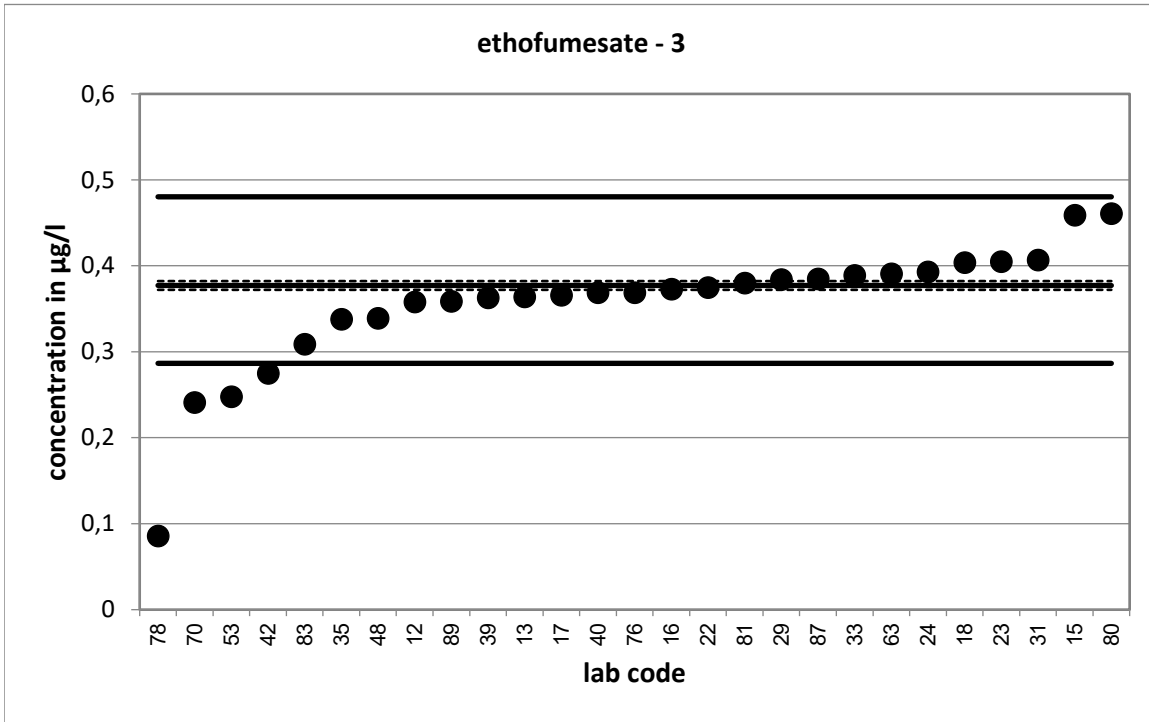


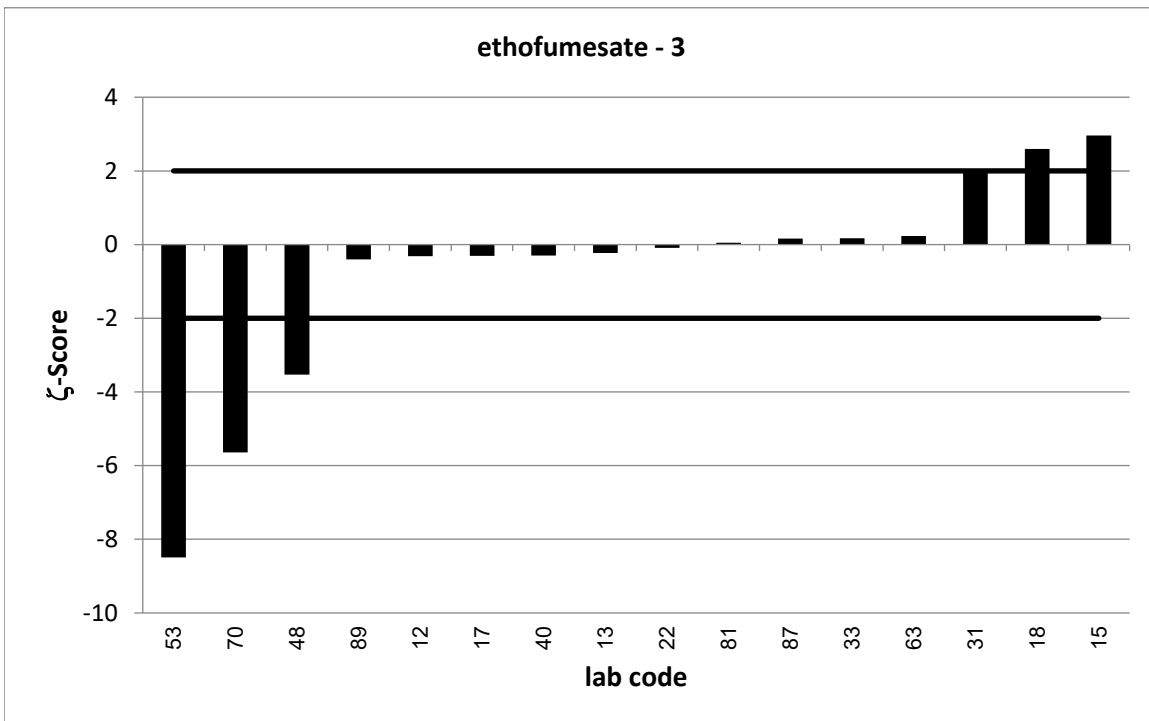
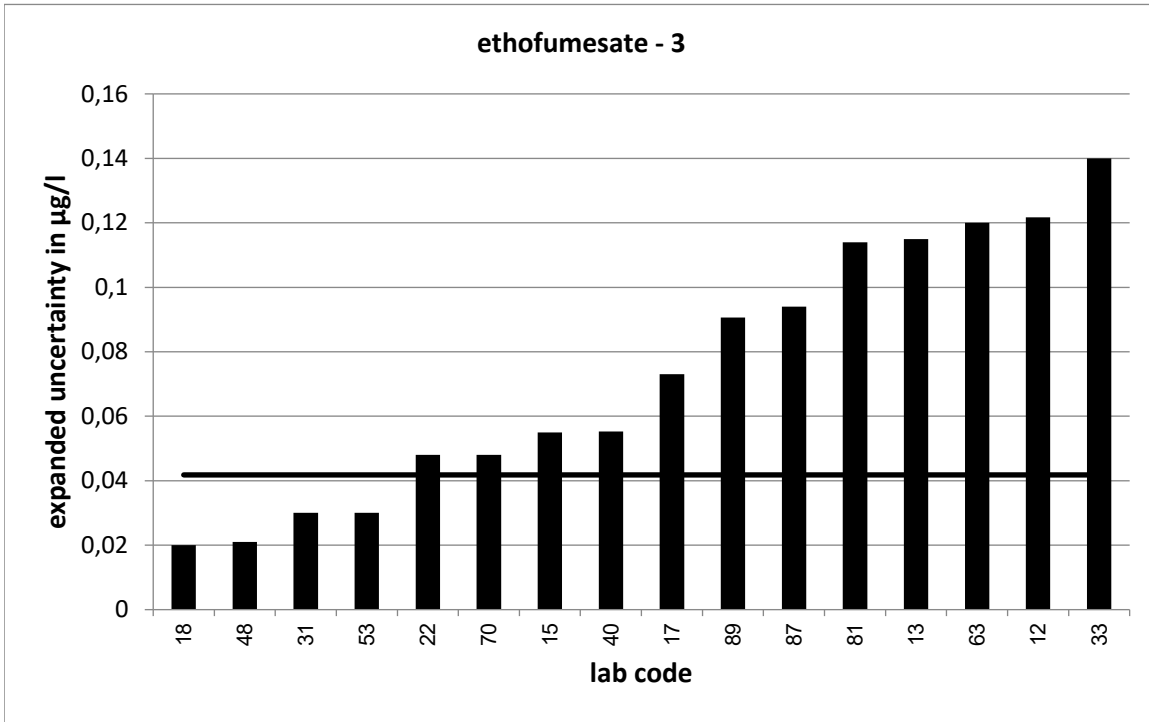


PT 7/20- TW O1		ethofumesate - 3			
assigned value [$\mu\text{g/l}$]*		0,3772 \pm 0,0051			
upper tolerance limit [$\mu\text{g/l}$]		0,4803			
lower tolerance limit [$\mu\text{g/l}$]		0,2866			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
12	0,358	0,122	-0,3	-0,4	s
13	0,364	0,115	-0,2	-0,3	s
15	0,459	0,055	3,0	1,6	s
16	0,3731			-0,1	s
17	0,366	0,073	-0,3	-0,2	s
18	0,404	0,02	2,6	0,5	s
22	0,375	0,048	-0,1	0,0	s
23	0,405			0,5	s
24	0,393			0,3	s
29	0,384			0,1	s
31	0,407	0,03	2,0	0,6	s
33	0,389	0,14	0,2	0,2	s
35	0,338			-0,9	s
39	0,363			-0,3	s
40	0,369	0,055	-0,3	-0,2	s
42	0,275			-2,3	q
48	0,339	0,021	-3,5	-0,8	s
53	0,248	0,03	-8,5	-2,9	q
63	0,391	0,12	0,2	0,3	s
70	0,241	0,048	-5,6	-3,0	u
76	0,369			-0,2	s
78	0,086			-6,4	u
80	0,461			1,6	s
81	0,38	0,114	0,0	0,1	s
83	0,309			-1,5	s
87	0,385	0,094	0,2	0,2	s
89	0,359	0,091	-0,4	-0,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

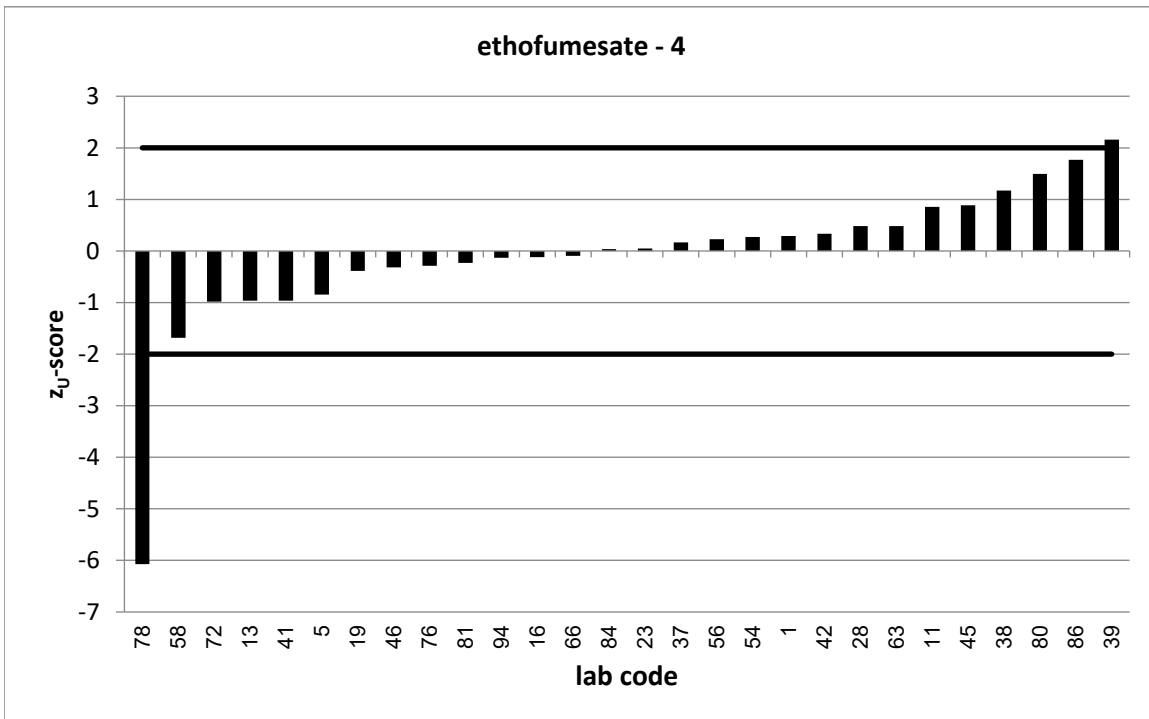
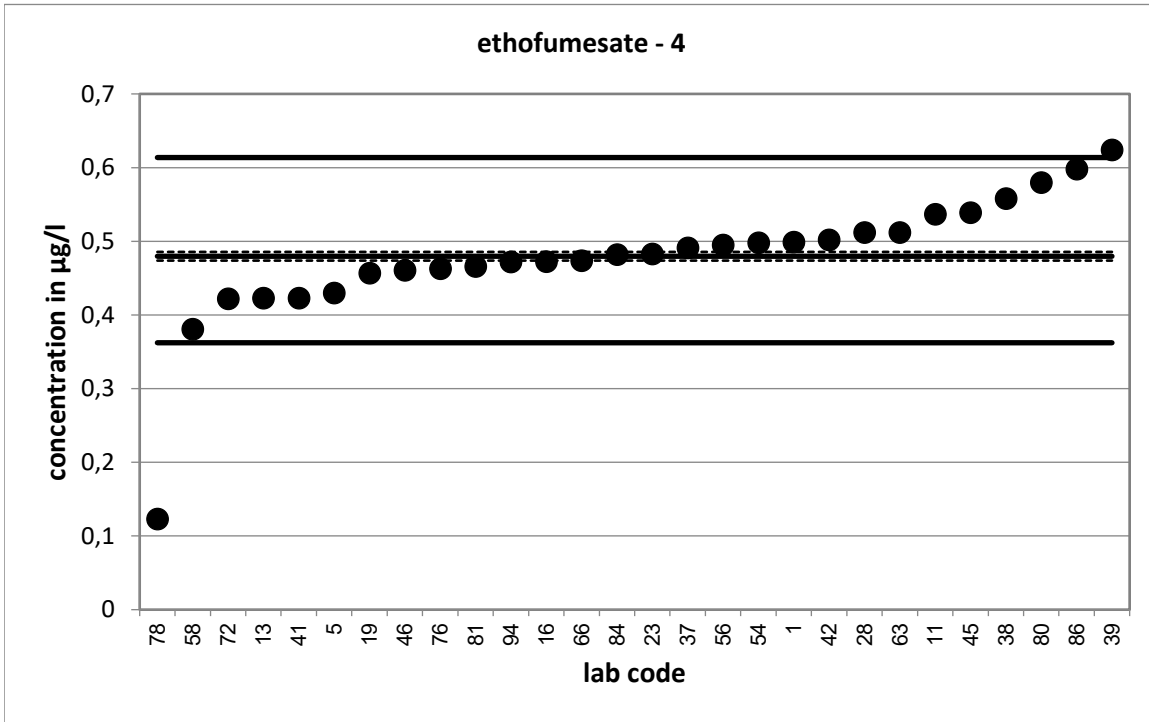


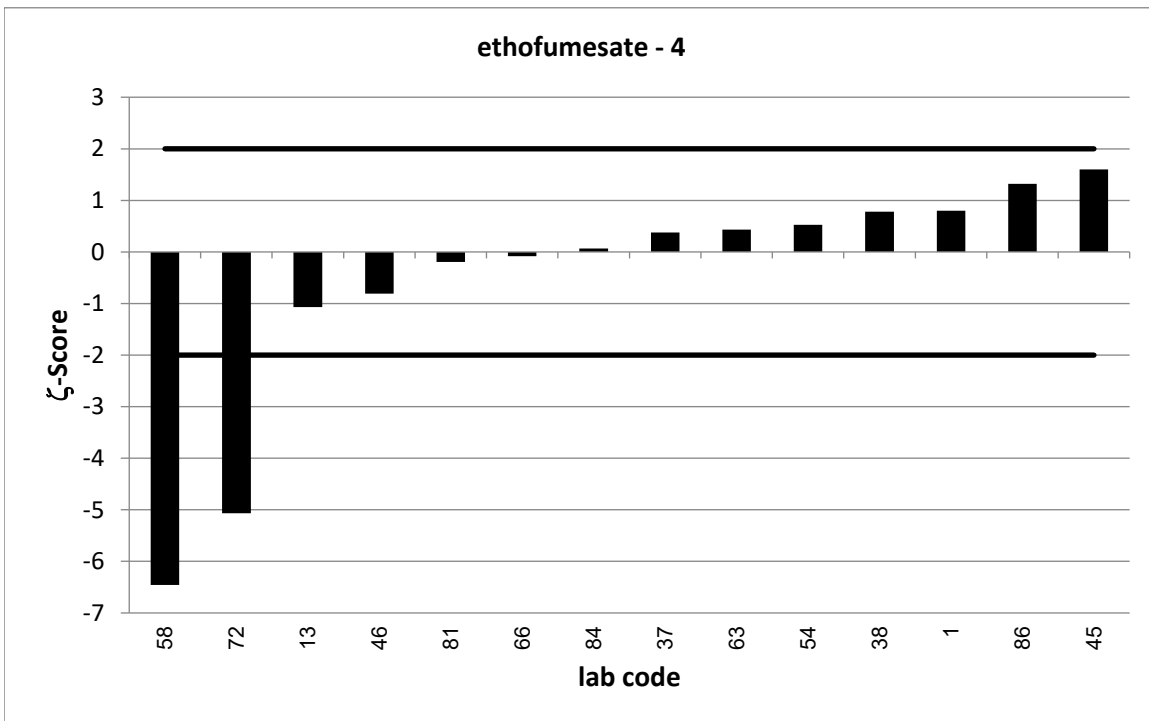
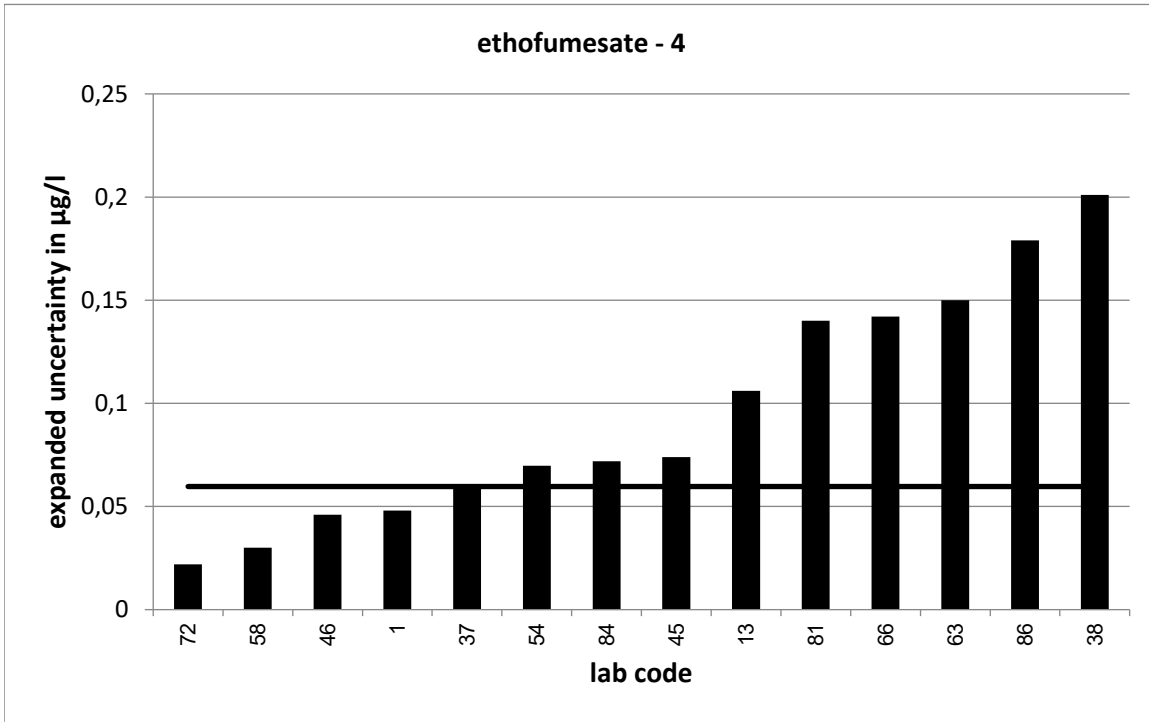


PT 7/20- TW O1		ethofumesate - 4			
assigned value [$\mu\text{g/l}$]*		0,4797 \pm 0,0059			
upper tolerance limit [$\mu\text{g/l}$]		0,6137			
lower tolerance limit [$\mu\text{g/l}$]		0,3623			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,499	0,048	0,8	0,3	s
5	0,43			-0,8	s
11	0,537			0,9	s
13	0,423	0,106	-1,1	-1,0	s
16	0,4727			-0,1	s
19	0,457			-0,4	s
23	0,483			0,0	s
28	0,512			0,5	s
37	0,491	0,06	0,4	0,2	s
38	0,558	0,201	0,8	1,2	s
39	0,6241			2,2	q
41	0,423			-1,0	s
42	0,502			0,3	s
45	0,539	0,074	1,6	0,9	s
46	0,461	0,046	-0,8	-0,3	s
54	0,498	0,07	0,5	0,3	s
56	0,495			0,2	s
58	0,381	0,03	-6,5	-1,7	s
63	0,512	0,15	0,4	0,5	s
66	0,474	0,142	-0,1	-0,1	s
72	0,422	0,022	-5,1	-1,0	s
76	0,463			-0,3	s
78	0,123			-6,1	u
80	0,58			1,5	s
81	0,466	0,14	-0,2	-0,2	s
84	0,482	0,072	0,1	0,0	s
86	0,598	0,179	1,3	1,8	s
94	0,472			-0,1	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

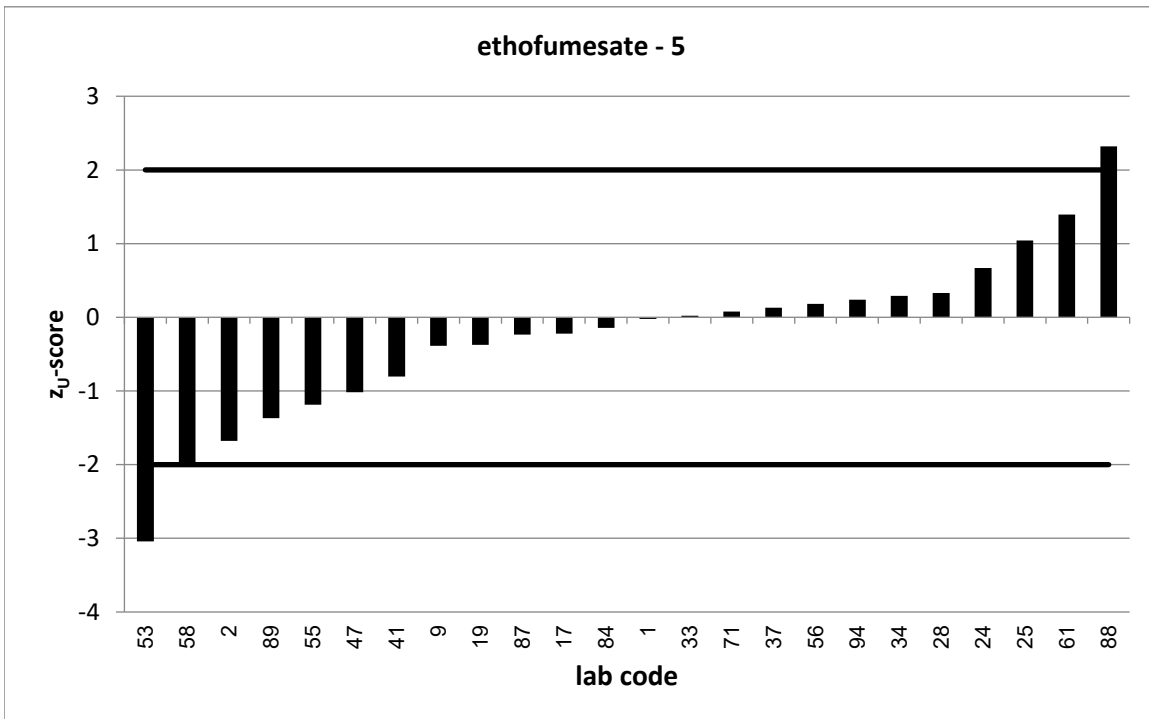
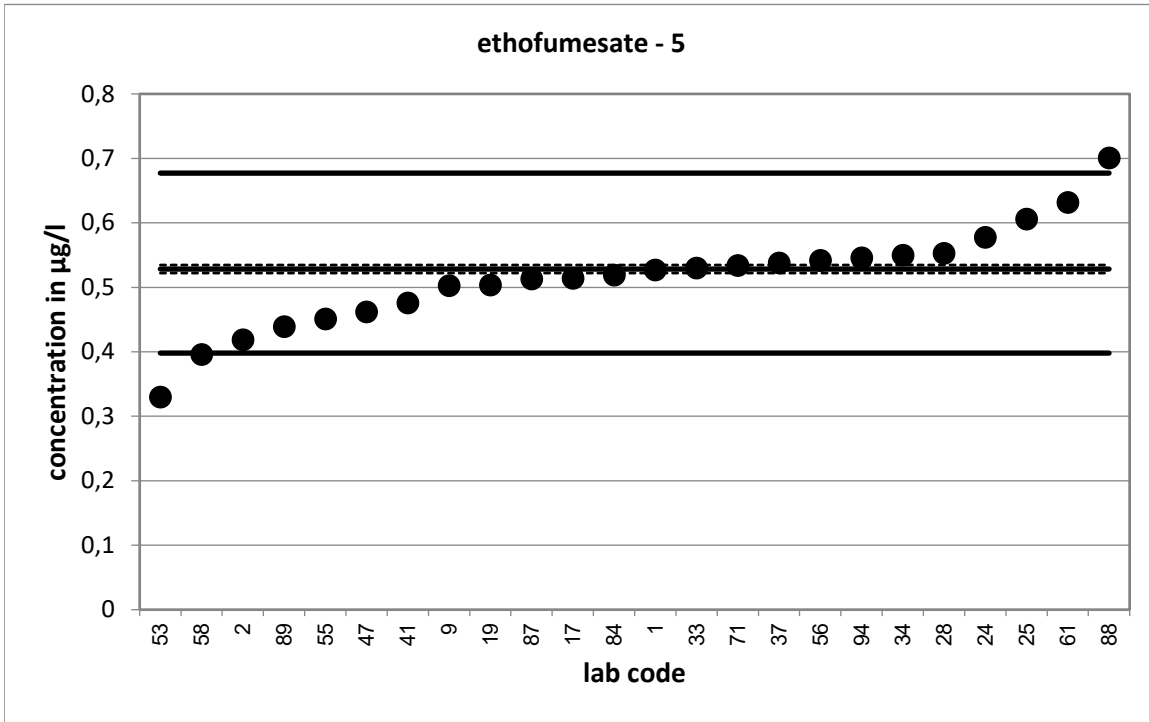


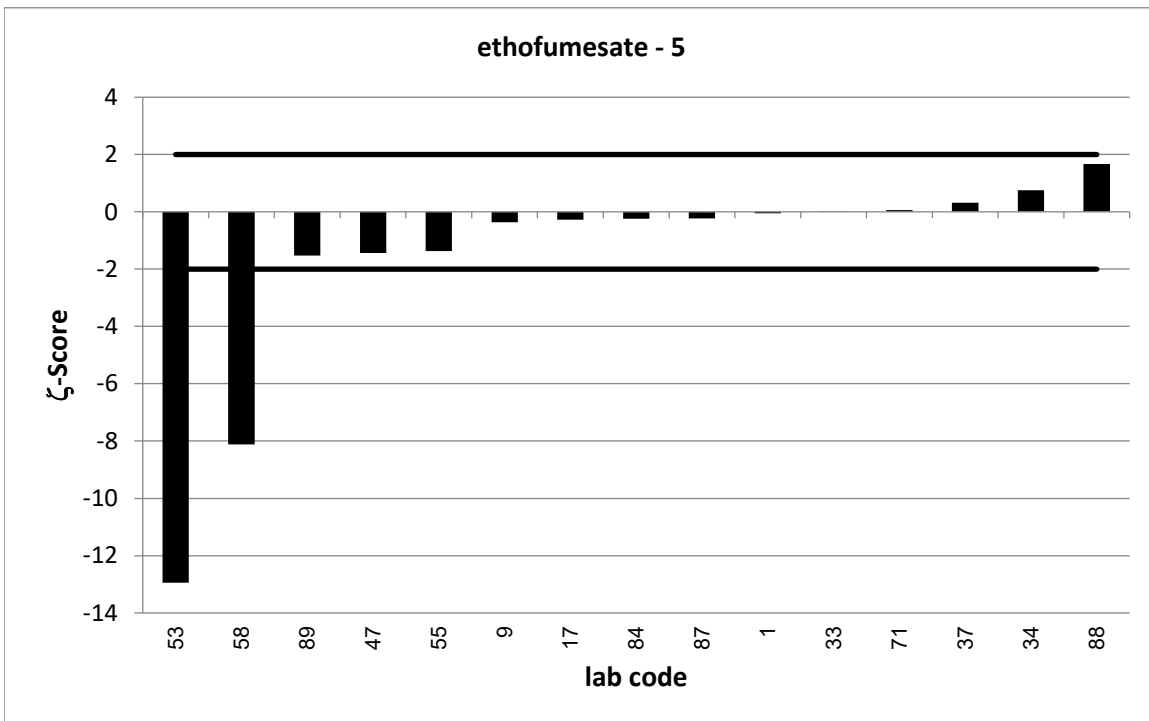
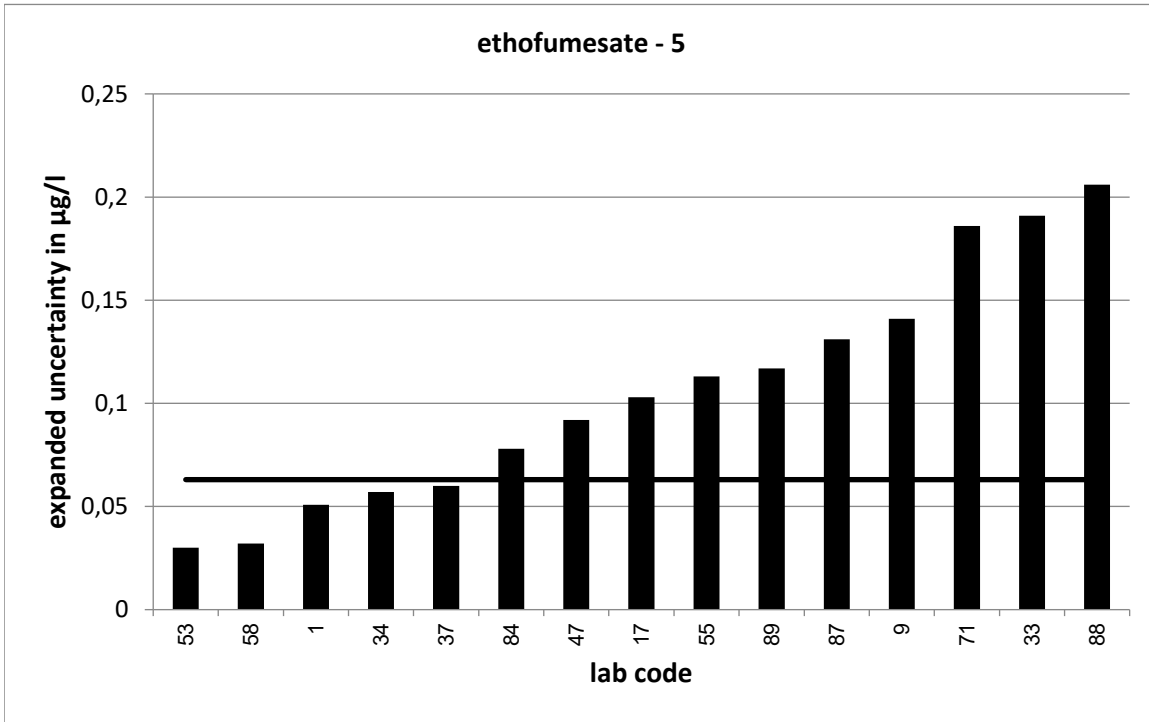


PT 7/20- TW O1		ethofumesate - 5			
assigned value [$\mu\text{g/l}$]*		0,5284 \pm 0,0063			
upper tolerance limit [$\mu\text{g/l}$]		0,6772			
lower tolerance limit [$\mu\text{g/l}$]		0,398			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,527	0,051	-0,1	0,0	s
2	0,419			-1,7	s
9	0,503	0,141	-0,4	-0,4	s
17	0,514	0,103	-0,3	-0,2	s
19	0,504			-0,4	s
24	0,578			0,7	s
25	0,606			1,0	s
28	0,553			0,3	s
33	0,53	0,191	0,0	0,0	s
34	0,55	0,057	0,8	0,3	s
37	0,538	0,06	0,3	0,1	s
41	0,476			-0,8	s
47	0,462	0,092	-1,4	-1,0	s
53	0,33	0,03	-12,9	-3,0	u
55	0,451	0,113	-1,4	-1,2	s
56	0,542			0,2	s
58	0,396	0,032	-8,1	-2,0	s
61	0,632			1,4	s
71	0,534	0,186	0,1	0,1	s
84	0,519	0,078	-0,2	-0,1	s
87	0,513	0,131	-0,2	-0,2	s
88	0,701	0,206	1,7	2,3	q
89	0,439	0,117	-1,5	-1,4	s
94	0,546			0,2	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

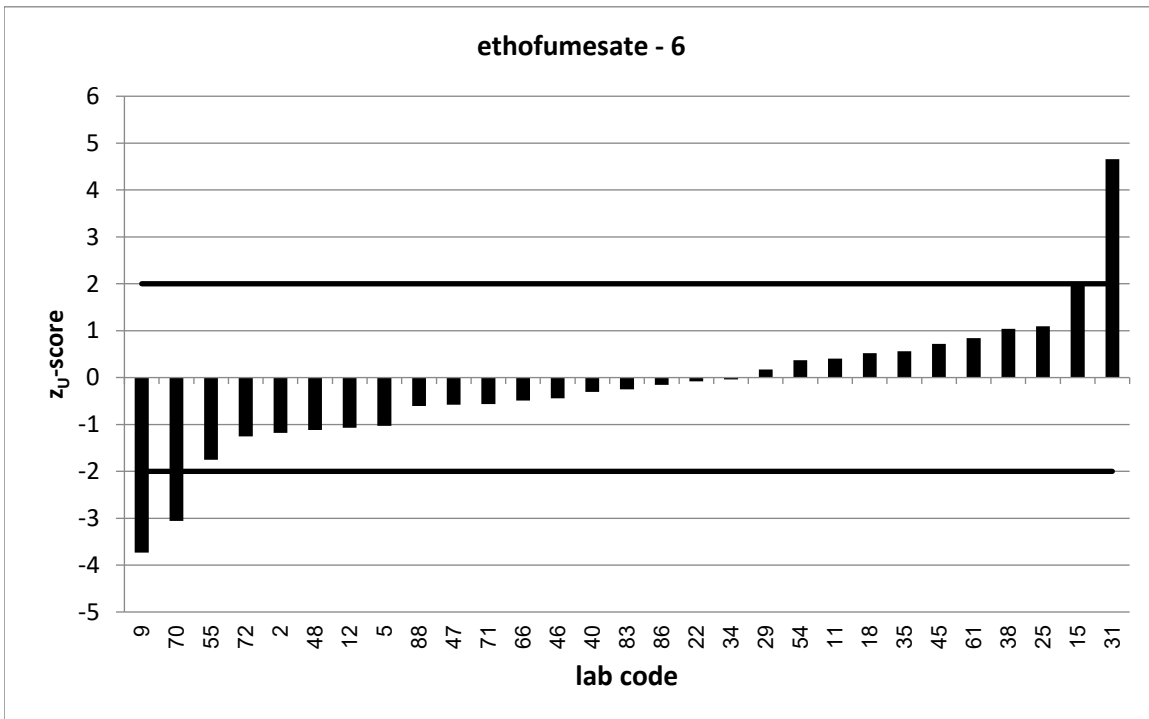
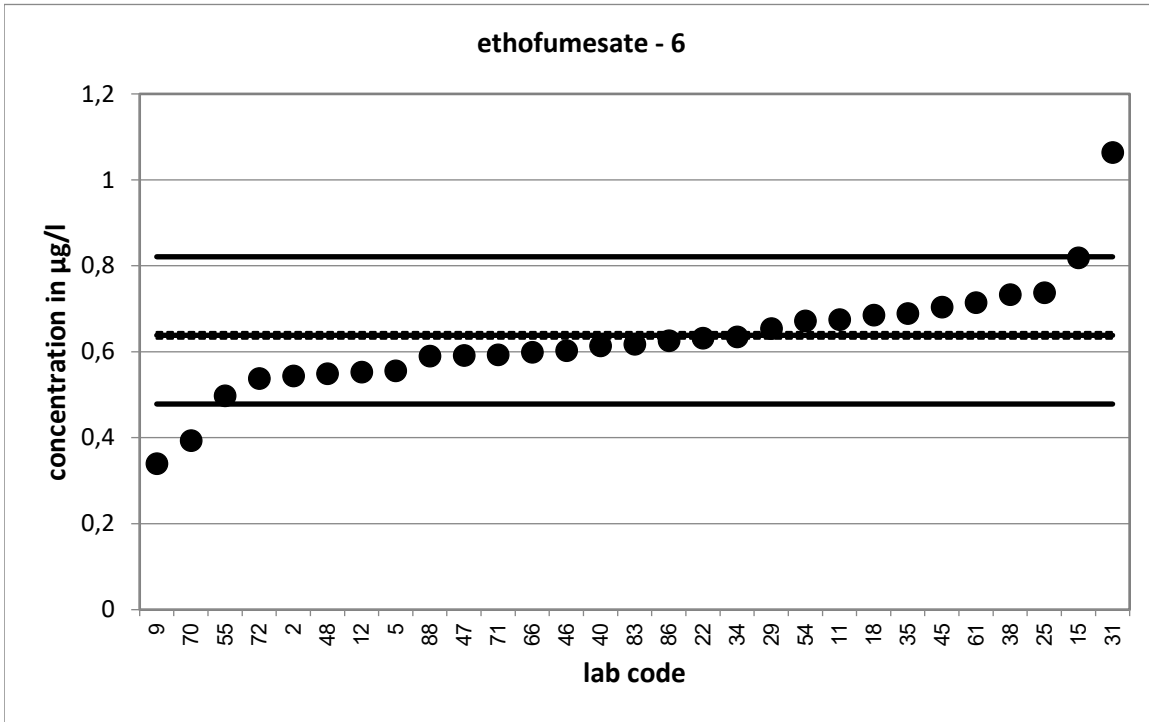


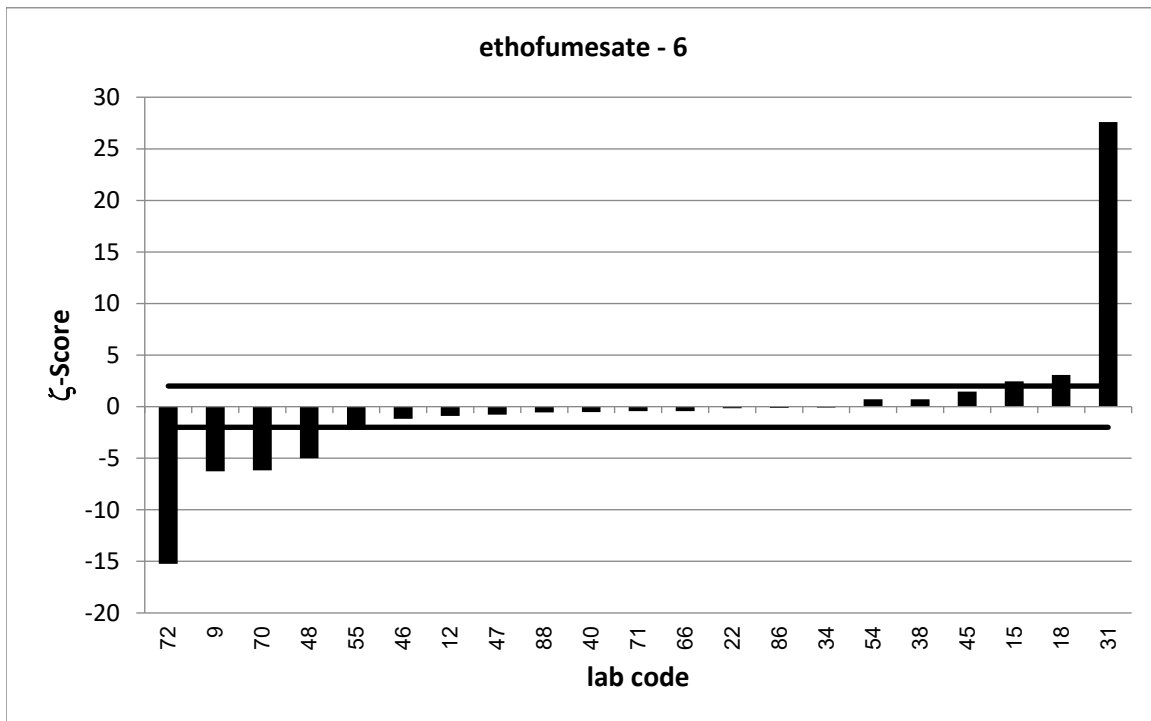
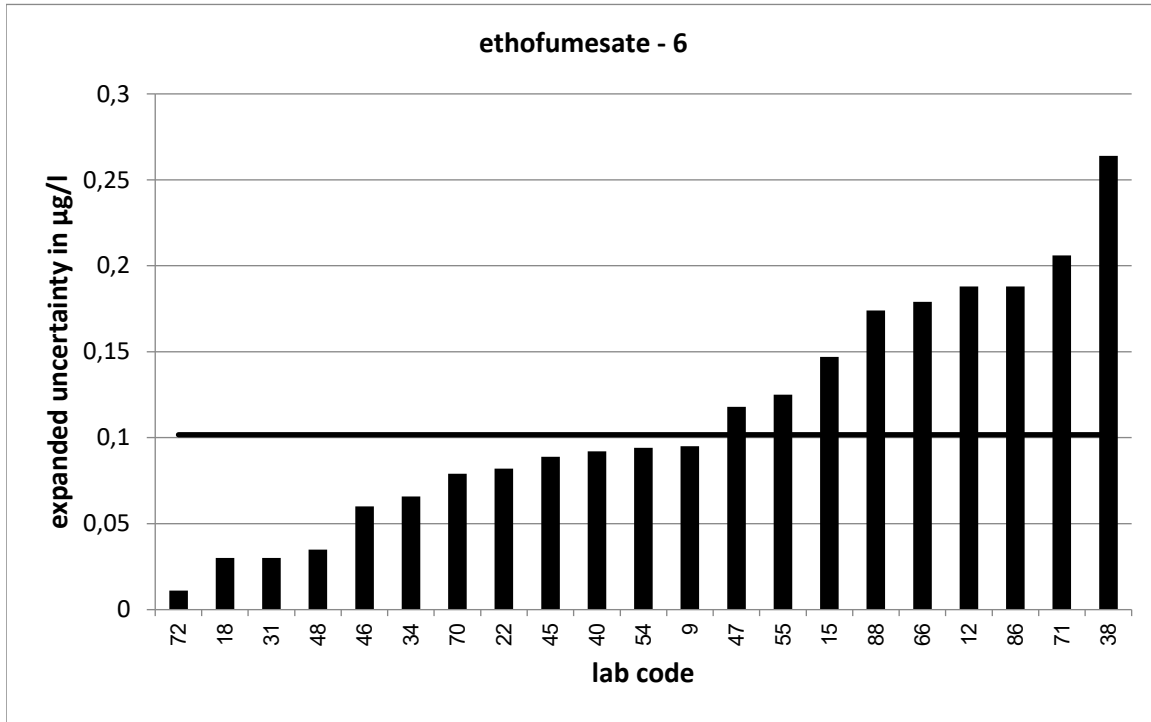


PT 7/20- TW O1		ethofumesate - 6			
assigned value [$\mu\text{g/l}$]*		0,6383 \pm 0,0073			
upper tolerance limit [$\mu\text{g/l}$]		0,8211			
lower tolerance limit [$\mu\text{g/l}$]		0,4785			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,544			-1,2	s
5	0,556			-1,0	s
9	0,34	0,095	-6,3	-3,7	u
11	0,675			0,4	s
12	0,553	0,188	-0,9	-1,1	s
15	0,819	0,147	2,5	2,0	s
18	0,686	0,03	3,1	0,5	s
22	0,632	0,082	-0,2	-0,1	s
25	0,738			1,1	s
29	0,654			0,2	s
31	1,064	0,03	27,6	4,7	u
34	0,6352	0,066	-0,1	0,0	s
35	0,6895			0,6	s
38	0,733	0,264	0,7	1,0	s
40	0,614	0,092	-0,5	-0,3	s
45	0,704	0,089	1,5	0,7	s
46	0,603	0,06	-1,2	-0,4	s
47	0,592	0,118	-0,8	-0,6	s
48	0,549	0,035	-5,0	-1,1	s
54	0,672	0,094	0,7	0,4	s
55	0,498	0,125	-2,2	-1,8	s
61	0,715			0,8	s
66	0,599	0,179	-0,4	-0,5	s
70	0,394	0,079	-6,2	-3,1	u
71	0,593	0,206	-0,4	-0,6	s
72	0,538	0,011	-15,2	-1,3	s
83	0,618			-0,3	s
86	0,626	0,188	-0,1	-0,2	s
88	0,59	0,174	-0,6	-0,6	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

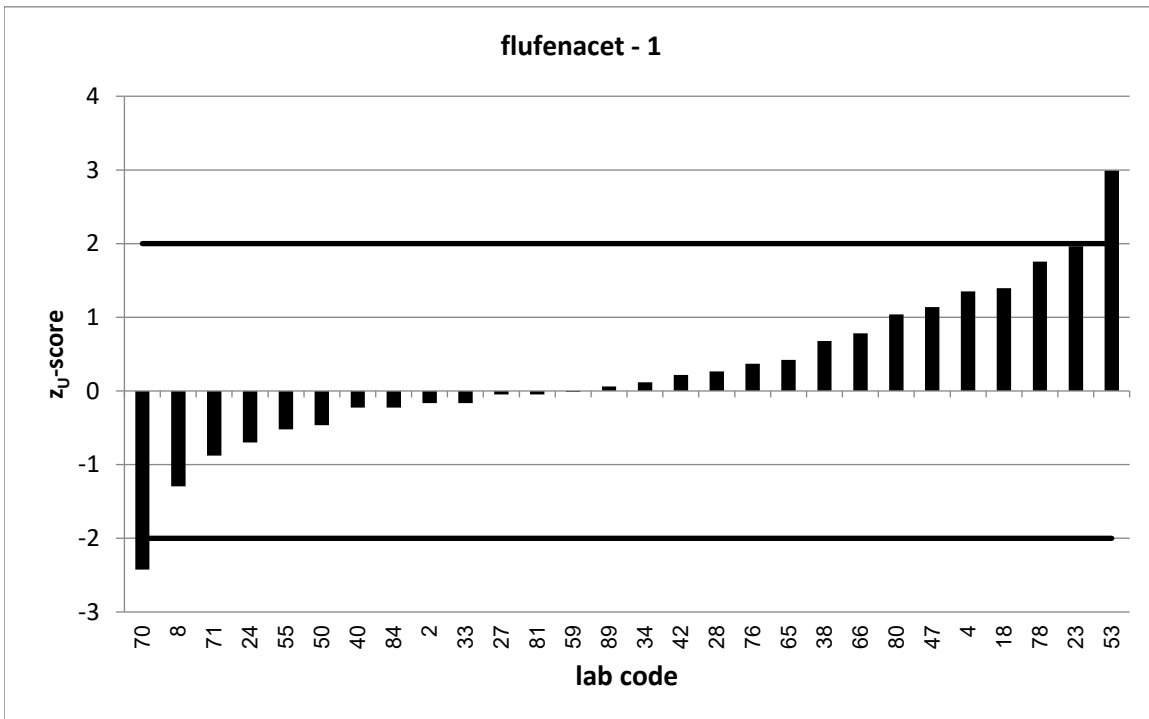
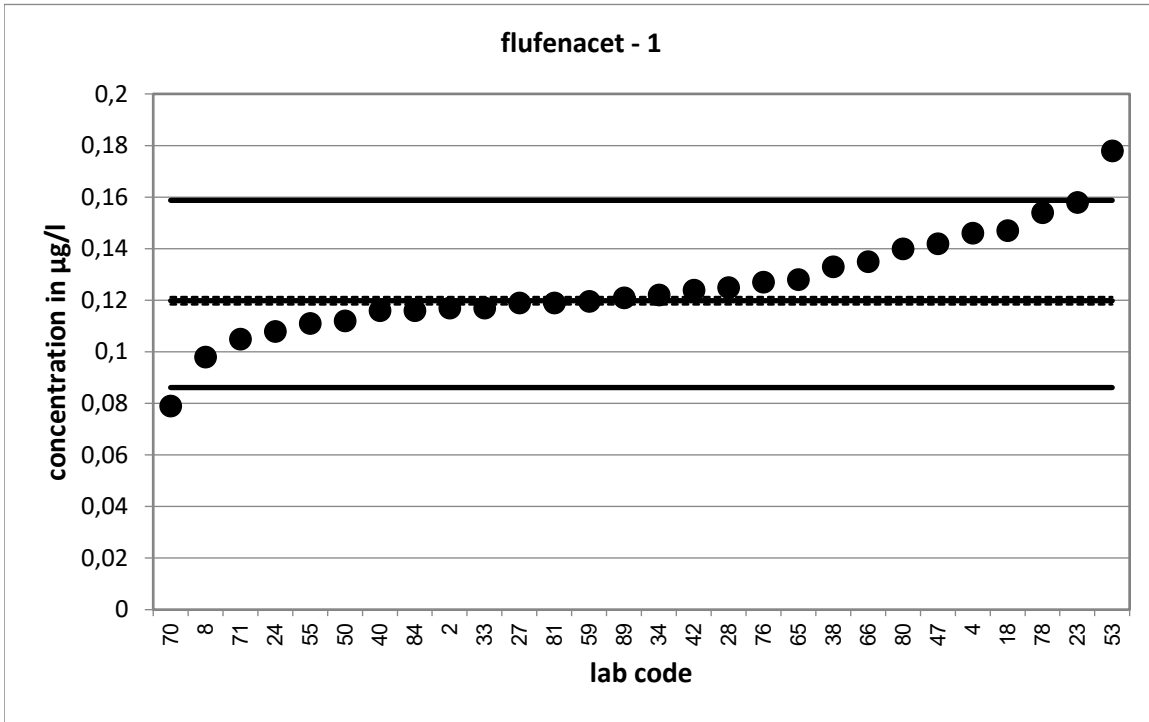


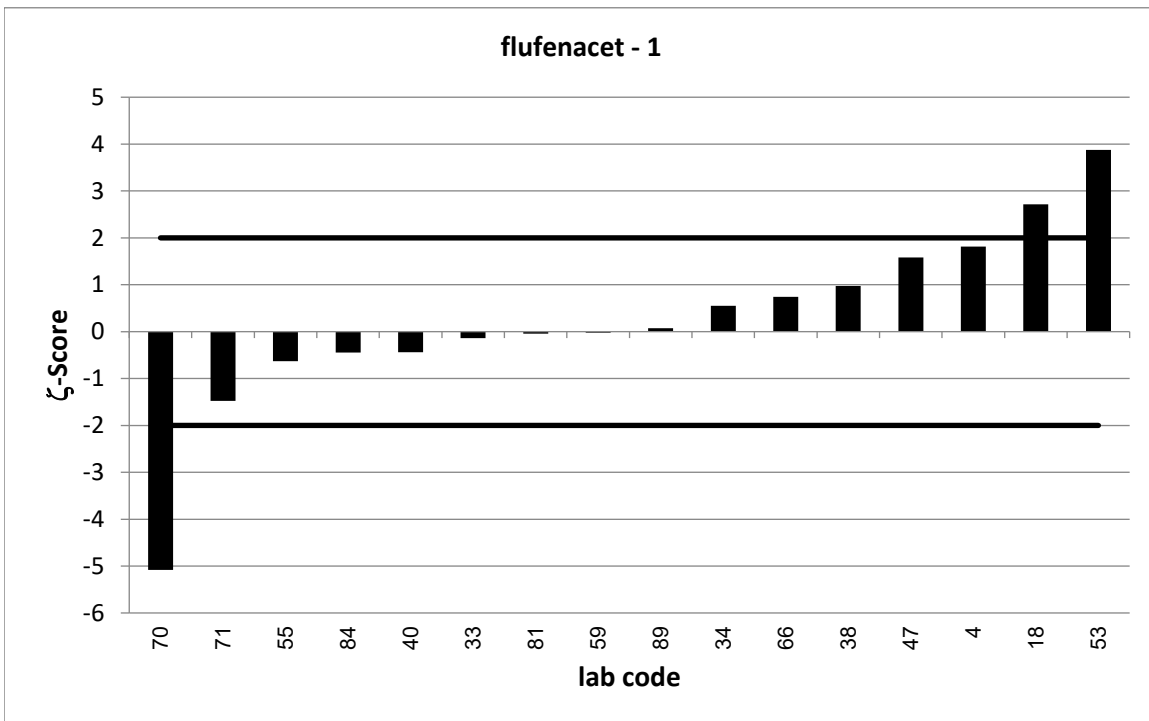
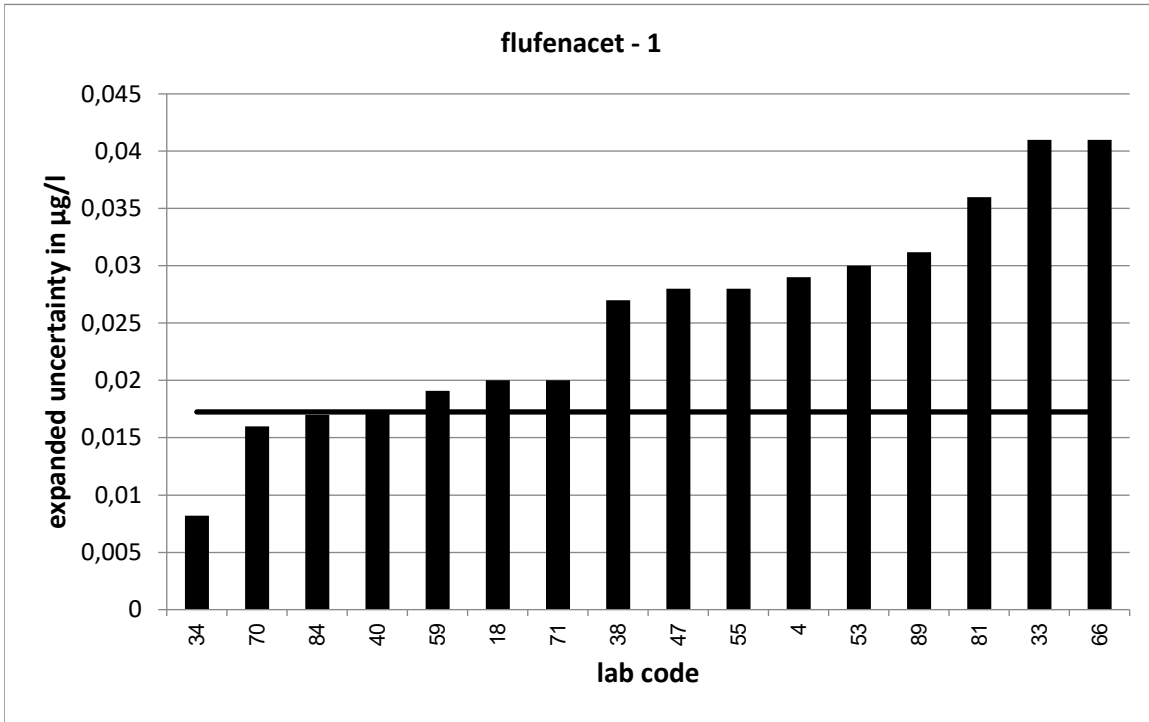


PT 7/20- TW O1		flufenacet - 1			
assigned value [$\mu\text{g/l}$]*		0,1198 \pm 0,0014			
upper tolerance limit [$\mu\text{g/l}$]		0,1587			
lower tolerance limit [$\mu\text{g/l}$]		0,08613			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,117			-0,2	s
4	0,1461	0,029	1,8	1,4	s
8	0,098			-1,3	s
18	0,147	0,02	2,7	1,4	s
23	0,158			2,0	s
24	0,108			-0,7	s
27	0,119			0,0	s
28	0,125			0,3	s
33	0,117	0,041	-0,1	-0,2	s
34	0,1221	0,008	0,6	0,1	s
38	0,133	0,027	1,0	0,7	s
40	0,116	0,017	-0,4	-0,2	s
42	0,124			0,2	s
47	0,142	0,028	1,6	1,1	s
50	0,112			-0,5	s
53	0,178	0,03	3,9	3,0	u
55	0,111	0,028	-0,6	-0,5	s
59	0,1196	0,019	0,0	0,0	s
65	0,128			0,4	s
66	0,135	0,041	0,7	0,8	s
70	0,079	0,016	-5,1	-2,4	q
71	0,105	0,02	-1,5	-0,9	s
76	0,127			0,4	s
78	0,154			1,8	s
80	0,14			1,0	s
81	0,119	0,036	0,0	0,0	s
84	0,116	0,017	-0,4	-0,2	s
89	0,121	0,031	0,1	0,1	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

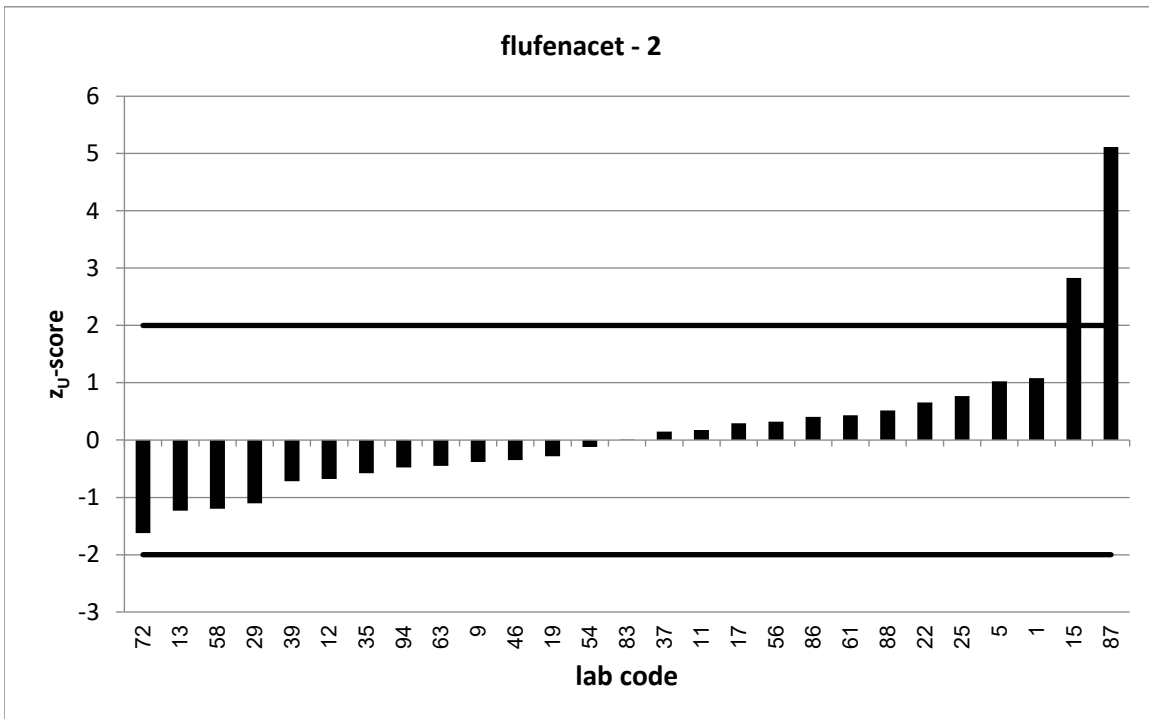
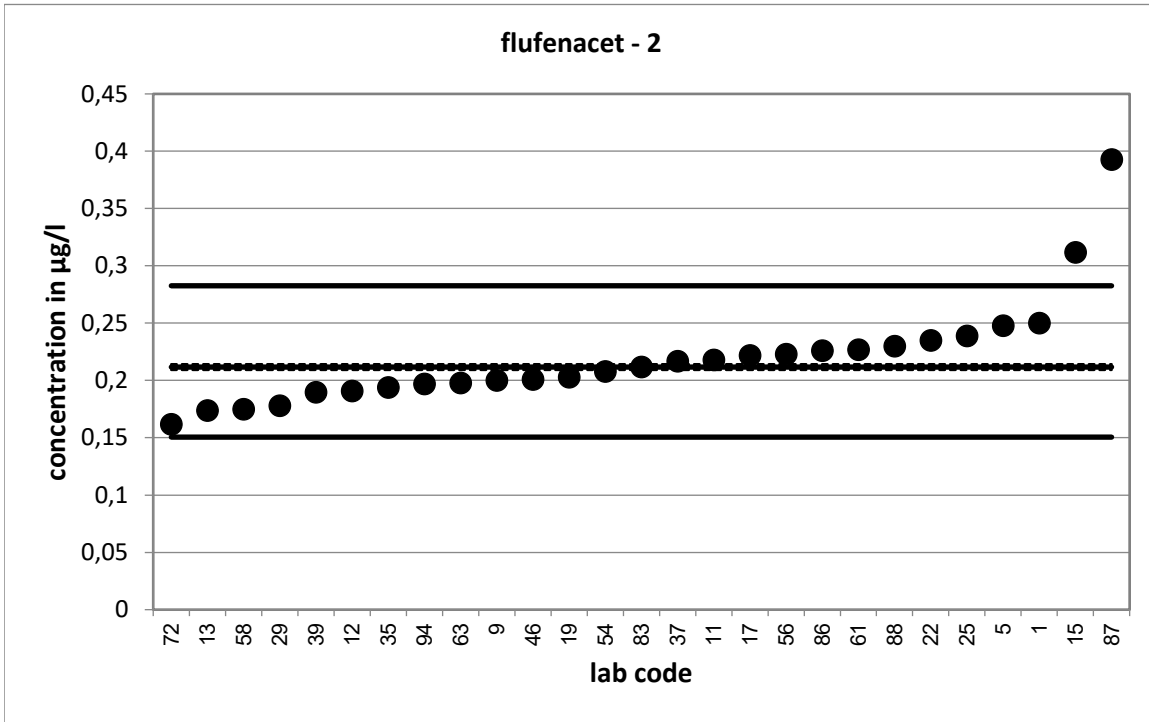


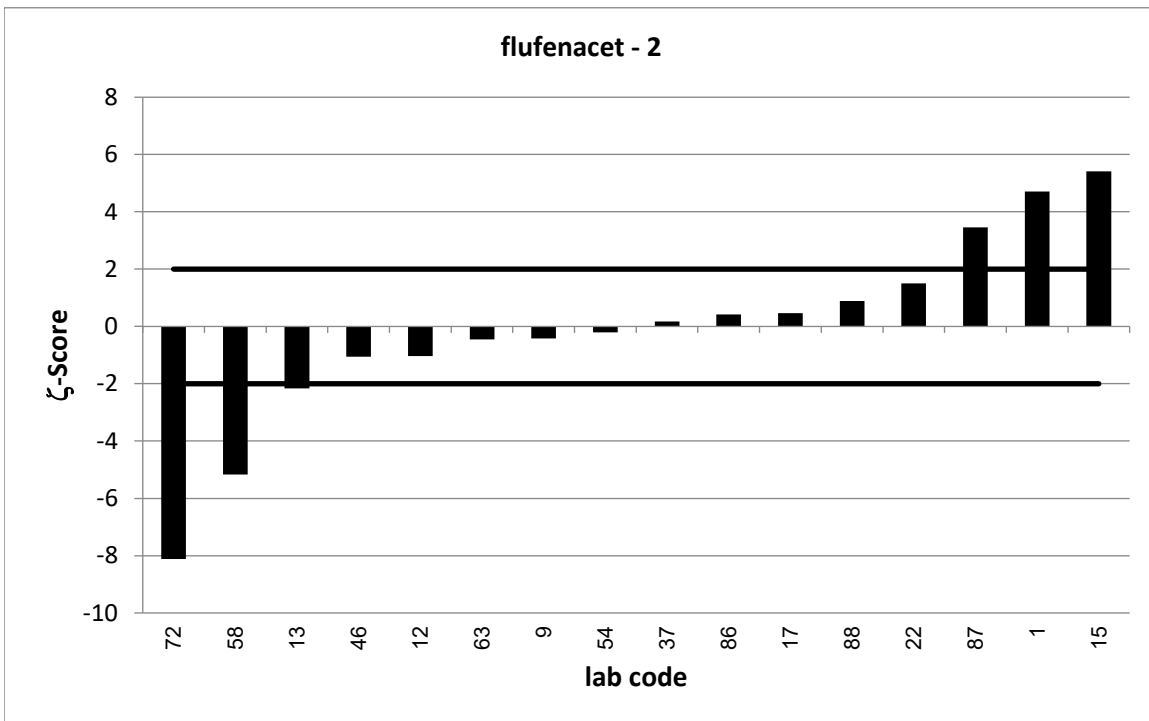
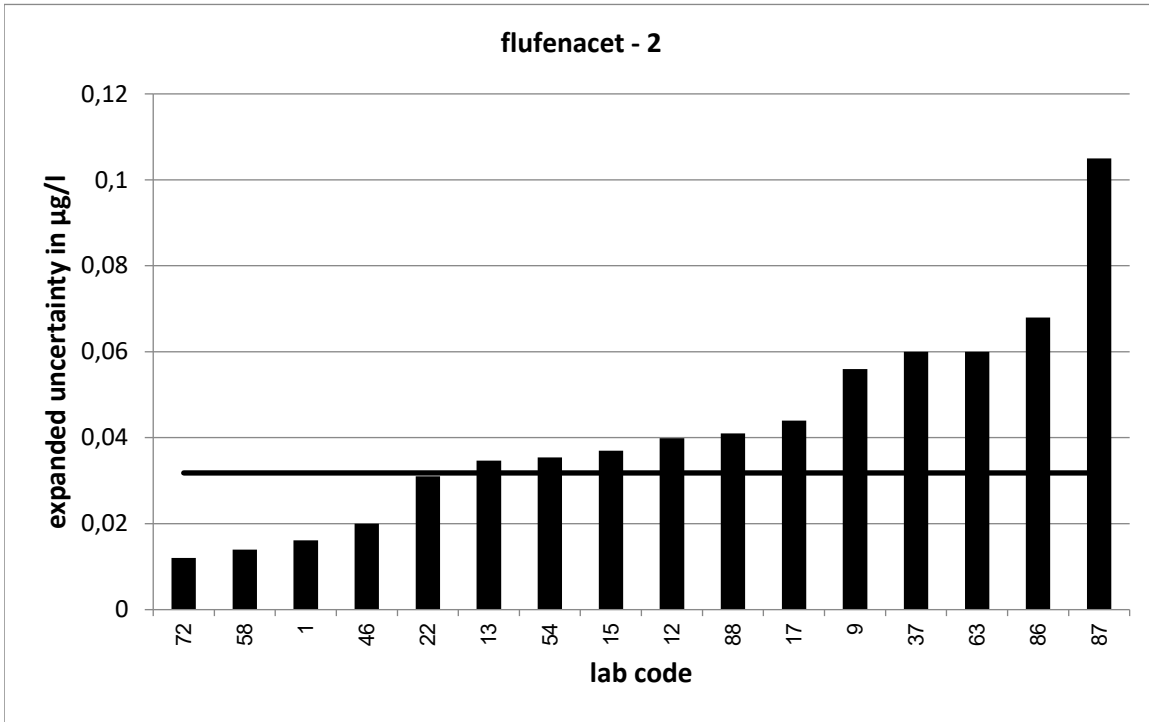


PT 7/20- TW O1		flufenacet - 2			
assigned value [$\mu\text{g/l}$]*		0,2117 \pm 0,0024			
upper tolerance limit [$\mu\text{g/l}$]		0,2826			
lower tolerance limit [$\mu\text{g/l}$]		0,1506			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,25	0,016	4,7	1,1	s
5	0,248			1,0	s
9	0,2	0,056	-0,4	-0,4	s
11	0,218			0,2	s
12	0,191	0,04	-1,0	-0,7	s
13	0,174	0,035	-2,2	-1,2	s
15	0,312	0,037	5,4	2,8	q
17	0,222	0,044	0,5	0,3	s
19	0,203			-0,3	s
22	0,235	0,031	1,5	0,7	s
25	0,239			0,8	s
29	0,178			-1,1	s
35	0,194			-0,6	s
37	0,217	0,06	0,2	0,1	s
39	0,1898			-0,7	s
46	0,201	0,02	-1,1	-0,3	s
54	0,208	0,035	-0,2	-0,1	s
56	0,223			0,3	s
58	0,175	0,014	-5,2	-1,2	s
61	0,227			0,4	s
63	0,198	0,06	-0,5	-0,4	s
72	0,162	0,012	-8,1	-1,6	s
83	0,212			0,0	s
86	0,226	0,068	0,4	0,4	s
87	0,393	0,105	3,5	5,1	u
88	0,23	0,041	0,9	0,5	s
94	0,197			-0,5	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

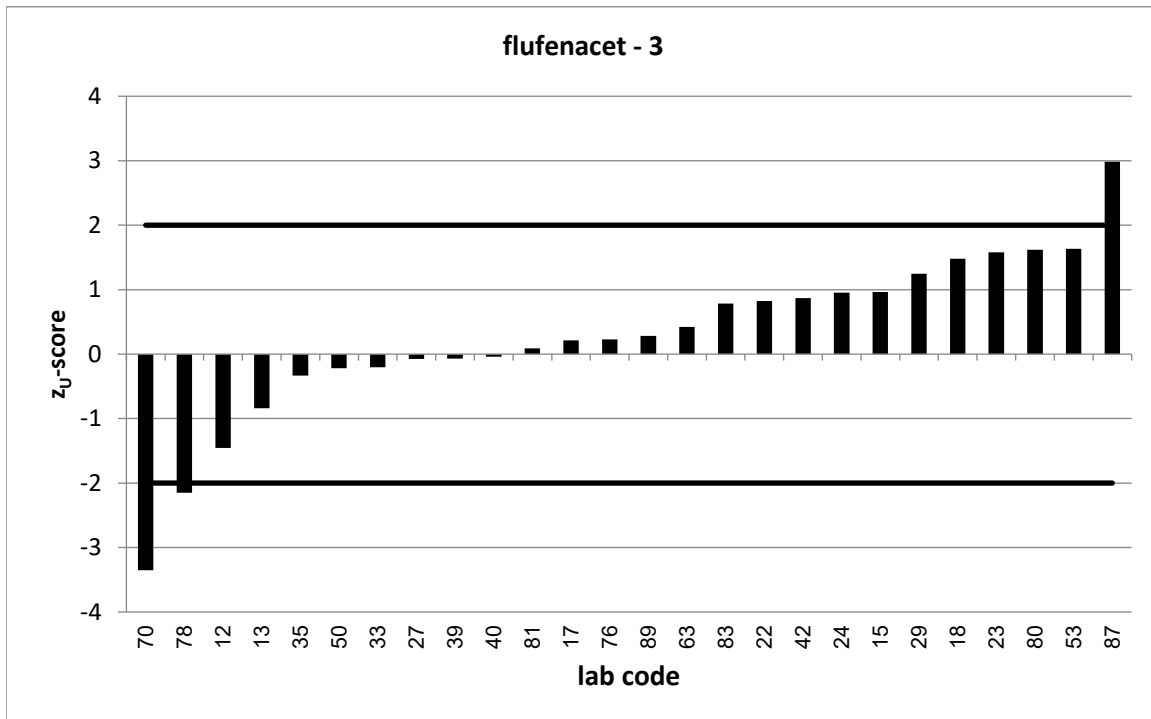
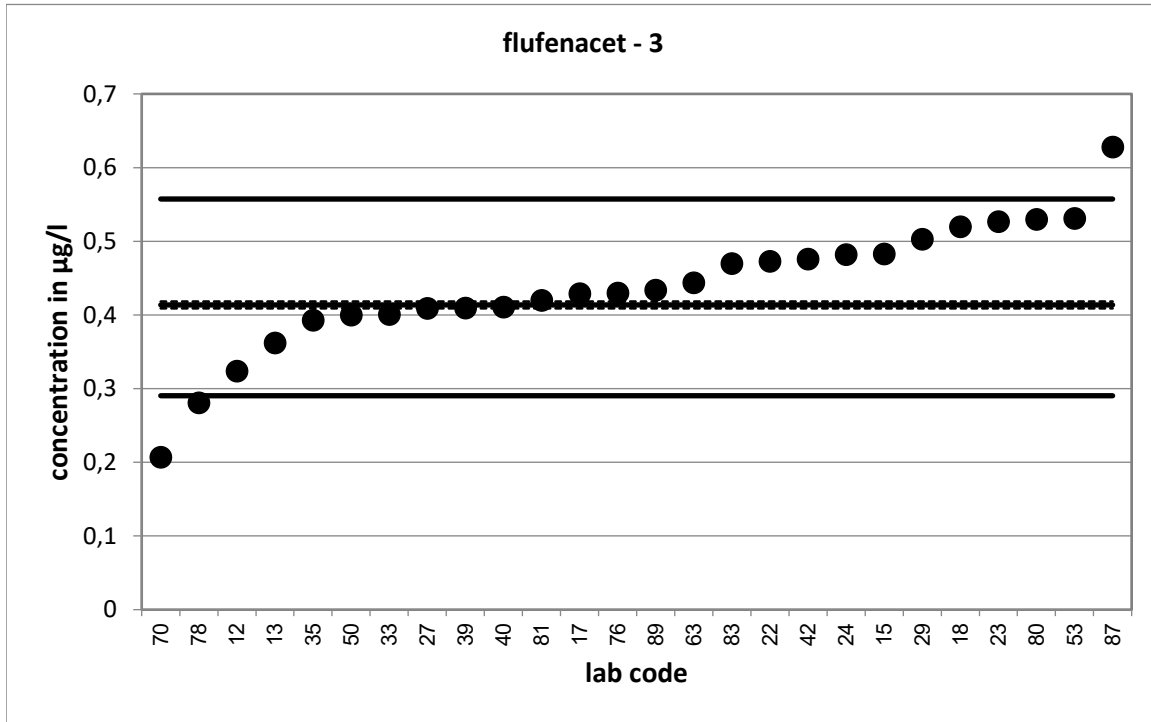


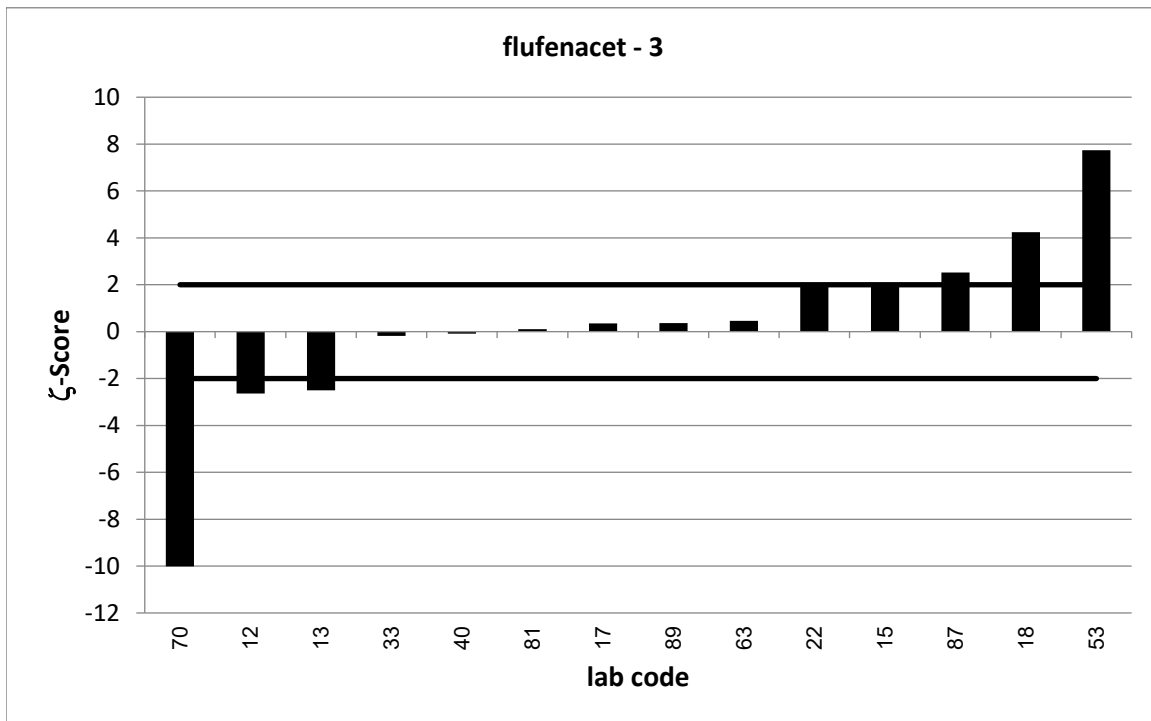
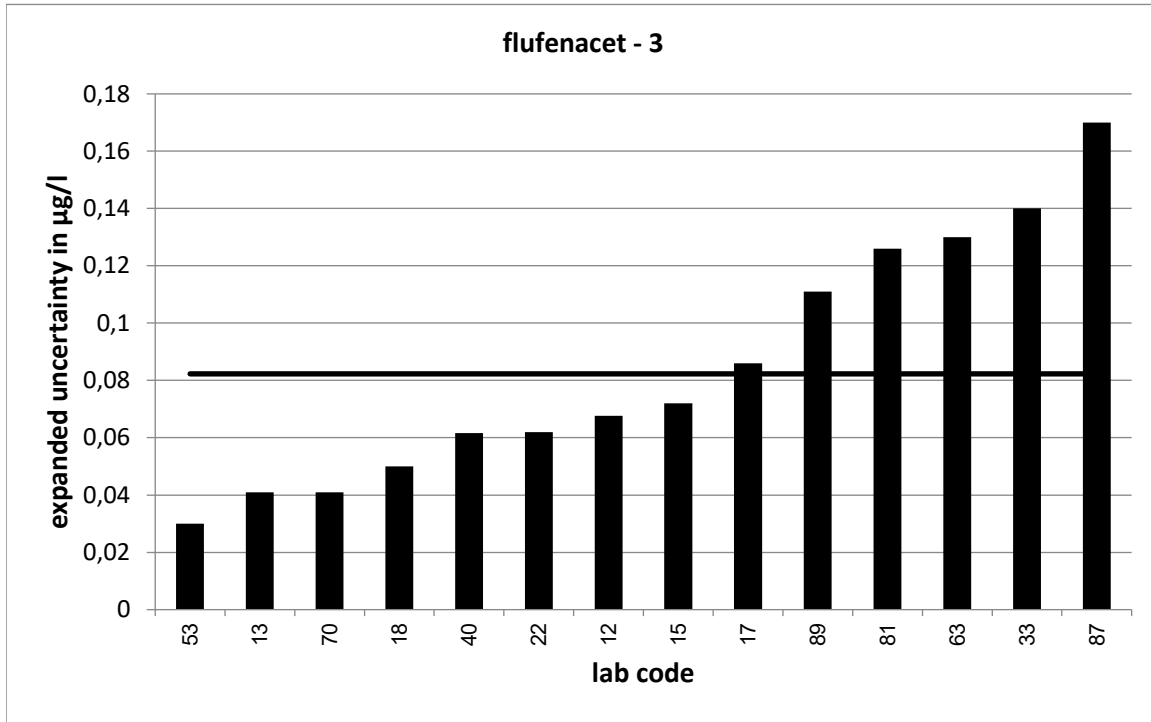


PT 7/20- TW O1		flufenacet - 3			
assigned value [$\mu\text{g/l}$]*		0,4136 \pm 0,0046			
upper tolerance limit [$\mu\text{g/l}$]		0,5573			
lower tolerance limit [$\mu\text{g/l}$]		0,2904			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
12	0,324	0,068	-2,6	-1,5	s
13	0,362	0,041	-2,5	-0,8	s
15	0,483	0,072	1,9	1,0	s
17	0,429	0,086	0,4	0,2	s
18	0,52	0,05	4,2	1,5	s
22	0,473	0,062	1,9	0,8	s
23	0,527			1,6	s
24	0,482			1,0	s
27	0,409			-0,1	s
29	0,503			1,2	s
33	0,401	0,14	-0,2	-0,2	s
35	0,393			-0,3	s
39	0,4094			-0,1	s
40	0,411	0,062	-0,1	0,0	s
42	0,476			0,9	s
50	0,4			-0,2	s
53	0,531	0,03	7,7	1,6	s
63	0,444	0,13	0,5	0,4	s
70	0,207	0,041	-10,0	-3,4	u
76	0,43			0,2	s
78	0,281			-2,2	q
80	0,53			1,6	s
81	0,42	0,126	0,1	0,1	s
83	0,47			0,8	s
87	0,628	0,17	2,5	3,0	u
89	0,434	0,111	0,4	0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

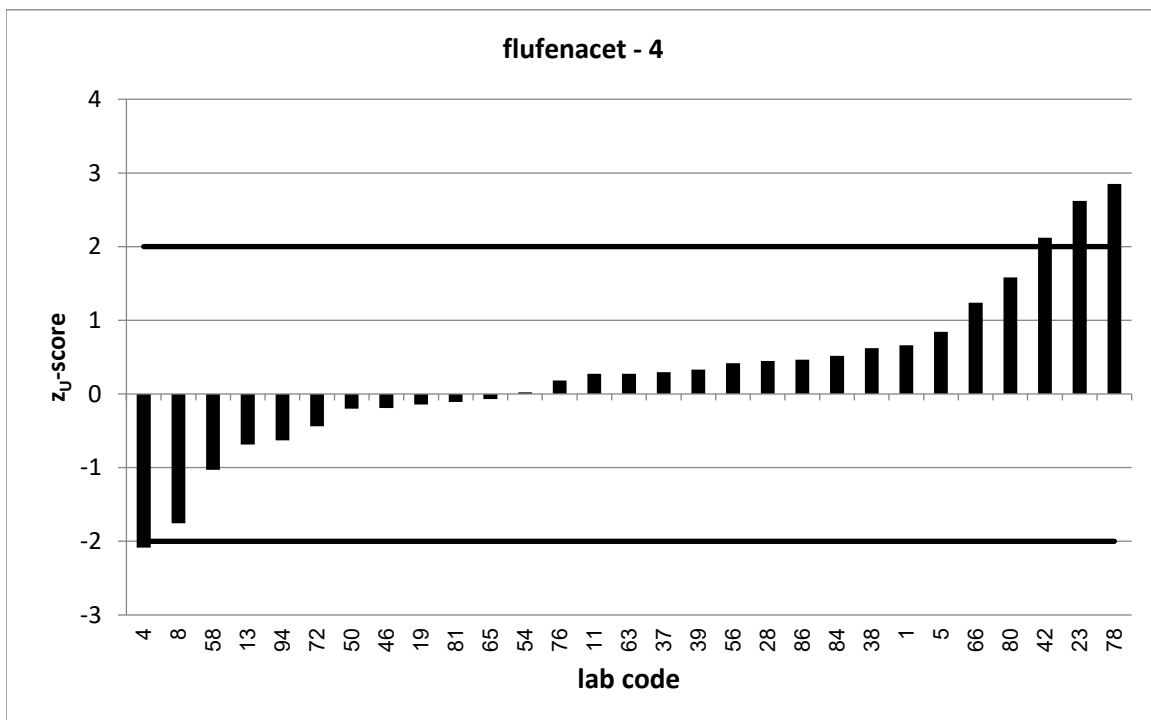
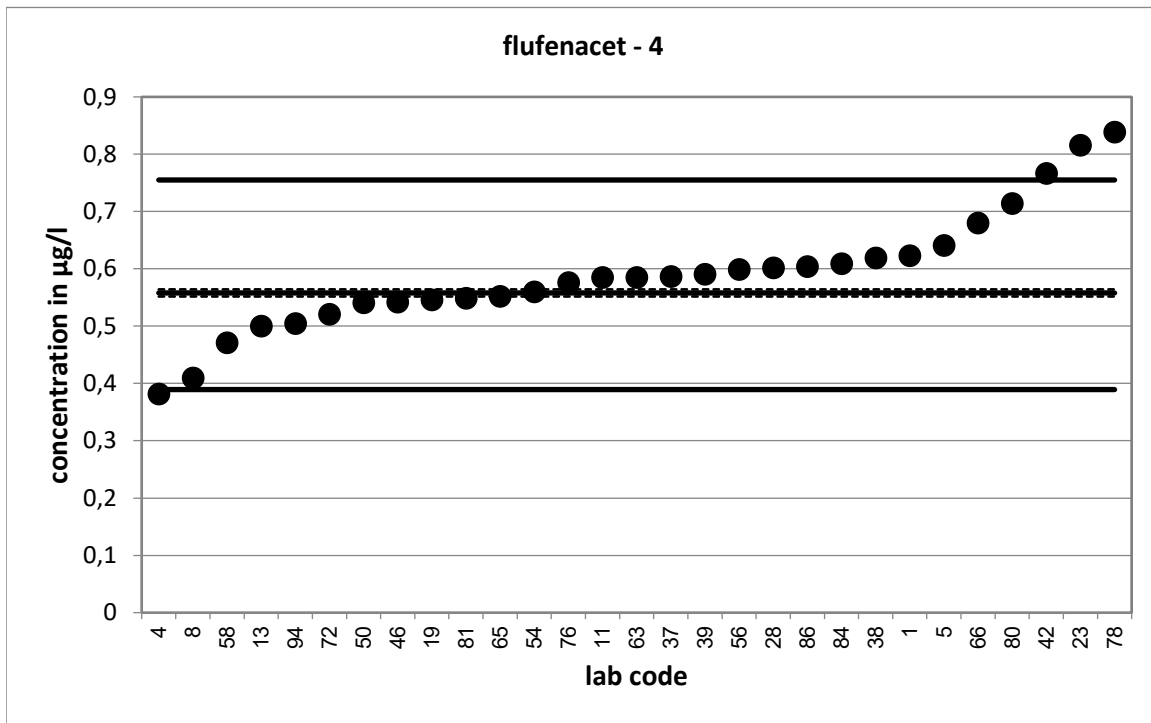


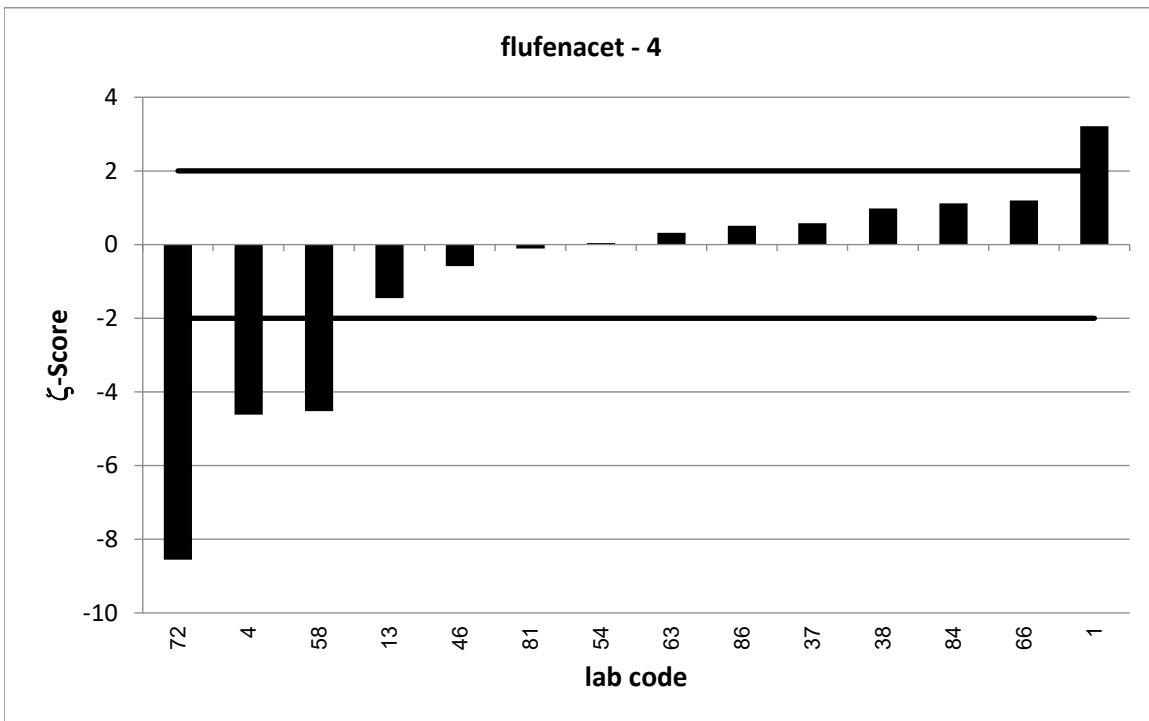
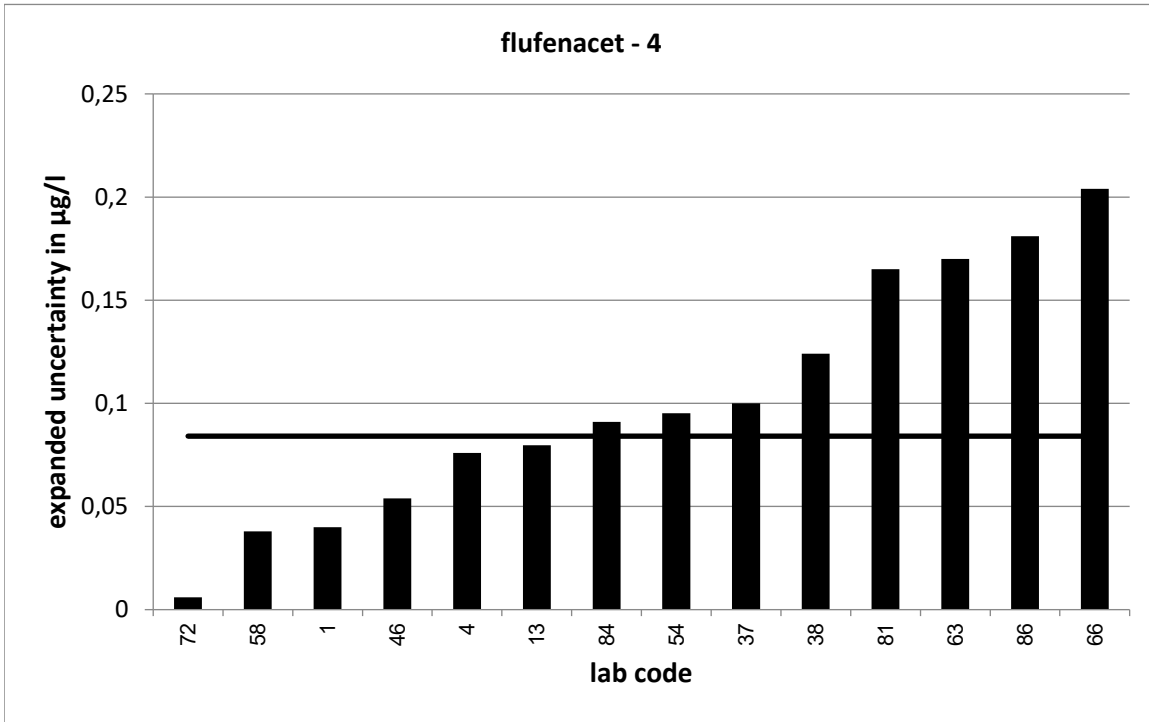


PT 7/20- TW O1		flufenacet - 4			
assigned value [$\mu\text{g/l}$]*		0,558 \pm 0,0062			
upper tolerance limit [$\mu\text{g/l}$]		0,755			
lower tolerance limit [$\mu\text{g/l}$]		0,3893			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,623	0,04	3,2	0,7	s
4	0,382	0,076	-4,6	-2,1	q
5	0,641			0,8	s
8	0,41			-1,8	s
11	0,585			0,3	s
13	0,5	0,08	-1,4	-0,7	s
19	0,546			-0,1	s
23	0,816			2,6	q
28	0,602			0,4	s
37	0,587	0,1	0,6	0,3	s
38	0,619	0,124	1,0	0,6	s
39	0,5905			0,3	s
42	0,767			2,1	q
46	0,542	0,054	-0,6	-0,2	s
50	0,541			-0,2	s
54	0,56	0,095	0,0	0,0	s
56	0,599			0,4	s
58	0,471	0,038	-4,5	-1,0	s
63	0,585	0,17	0,3	0,3	s
65	0,552			-0,1	s
66	0,68	0,204	1,2	1,2	s
72	0,521	0,006	-8,5	-0,4	s
76	0,576			0,2	s
78	0,839			2,9	q
80	0,714			1,6	s
81	0,549	0,165	-0,1	-0,1	s
84	0,609	0,091	1,1	0,5	s
86	0,604	0,181	0,5	0,5	s
94	0,505			-0,6	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

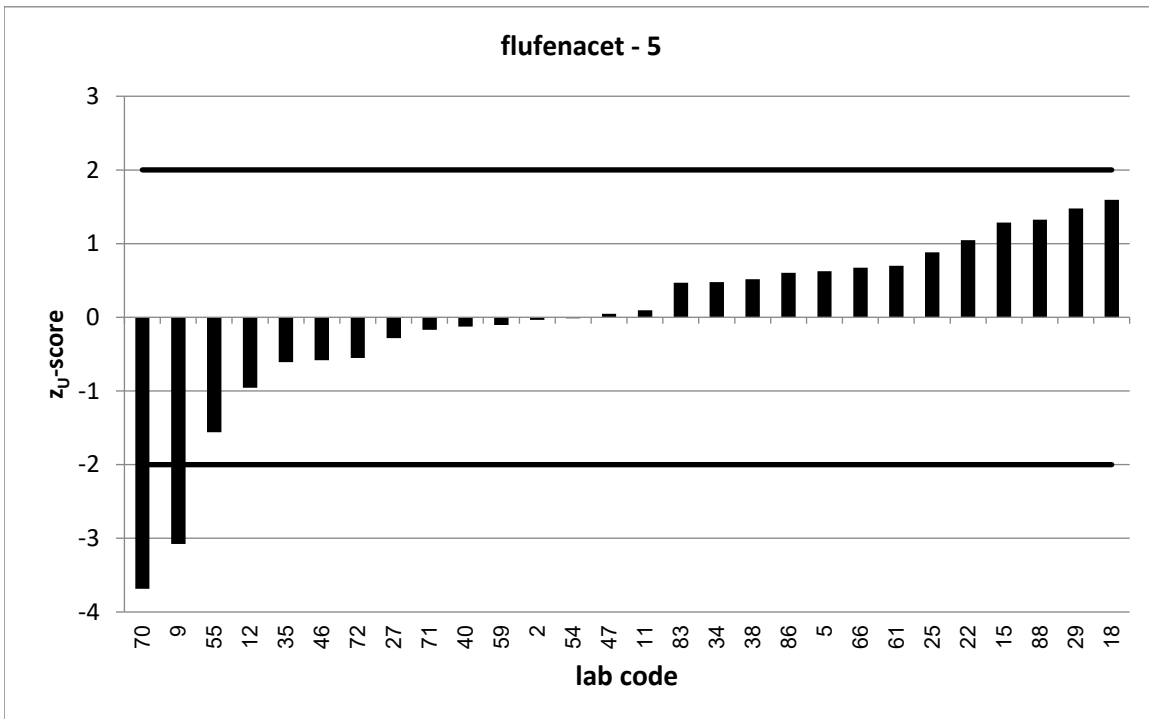
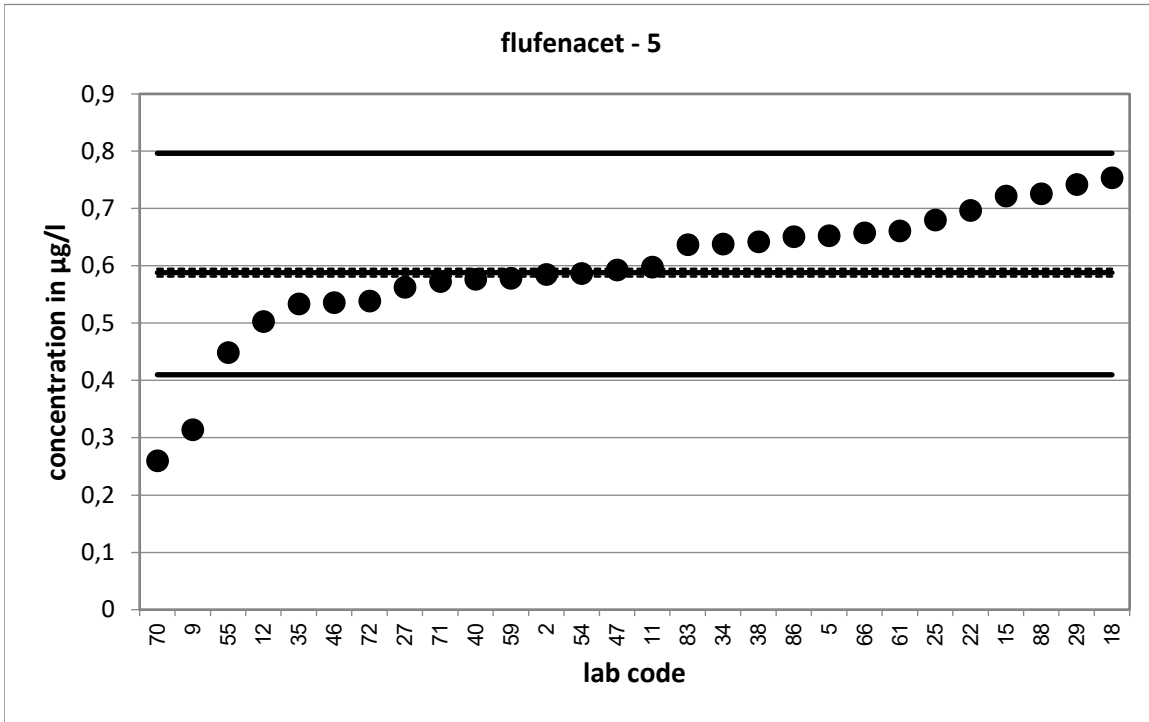


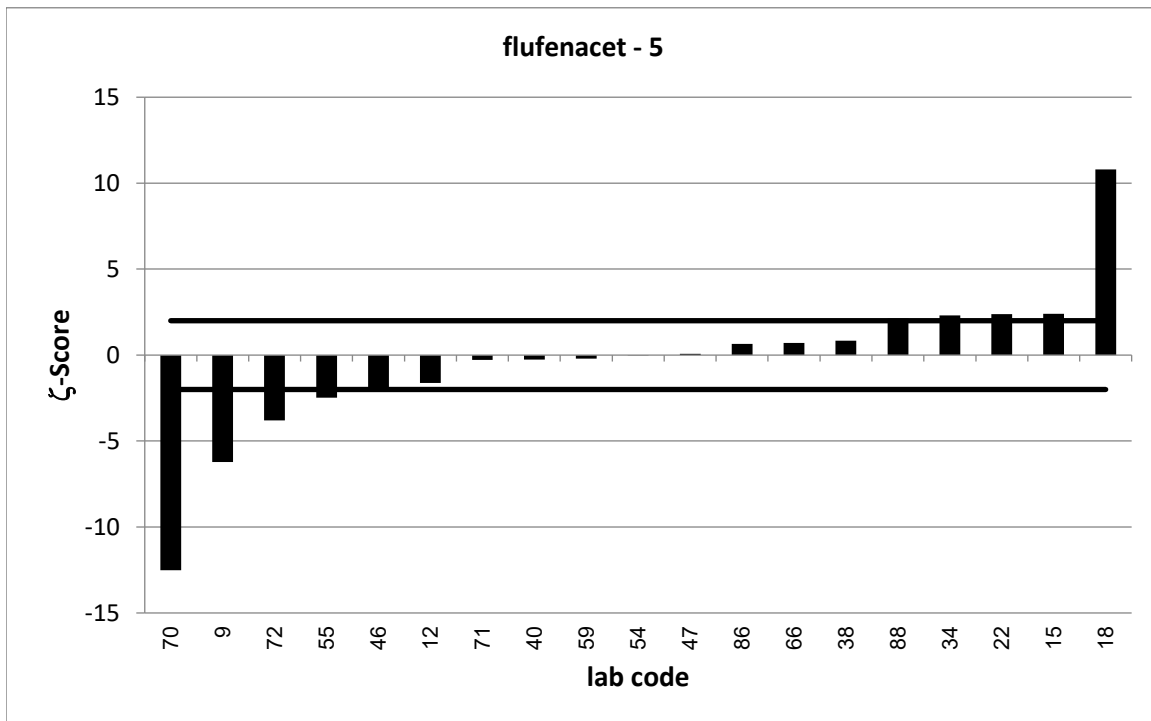
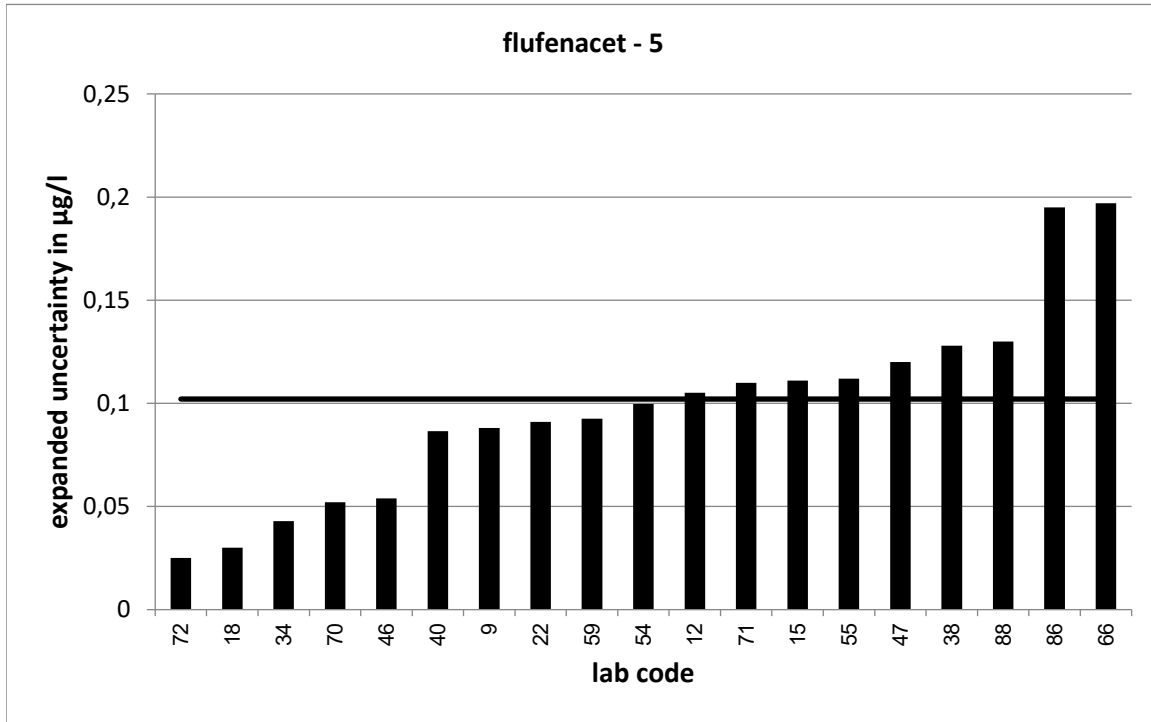


PT 7/20- TW O1		flufenacet - 5			
assigned value [$\mu\text{g/l}$]*		0,5881 \pm 0,0066			
upper tolerance limit [$\mu\text{g/l}$]		0,7964			
lower tolerance limit [$\mu\text{g/l}$]		0,4099			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,585			0,0	s
5	0,653			0,6	s
9	0,314	0,088	-6,2	-3,1	u
11	0,598			0,1	s
12	0,503	0,105	-1,6	-1,0	s
15	0,722	0,111	2,4	1,3	s
18	0,754	0,03	10,8	1,6	s
22	0,697	0,091	2,4	1,0	s
25	0,68			0,9	s
27	0,563			-0,3	s
29	0,742			1,5	s
34	0,638	0,043	2,3	0,5	s
35	0,534			-0,6	s
38	0,642	0,128	0,8	0,5	s
40	0,577	0,087	-0,3	-0,1	s
46	0,536	0,054	-1,9	-0,6	s
47	0,593	0,12	0,1	0,0	s
54	0,587	0,1	0,0	0,0	s
55	0,449	0,112	-2,5	-1,6	s
59	0,5787	0,093	-0,2	-0,1	s
61	0,661			0,7	s
66	0,658	0,197	0,7	0,7	s
70	0,26	0,052	-12,5	-3,7	u
71	0,573	0,11	-0,3	-0,2	s
72	0,539	0,025	-3,8	-0,6	s
83	0,637			0,5	s
86	0,651	0,195	0,6	0,6	s
88	0,726	0,13	2,1	1,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

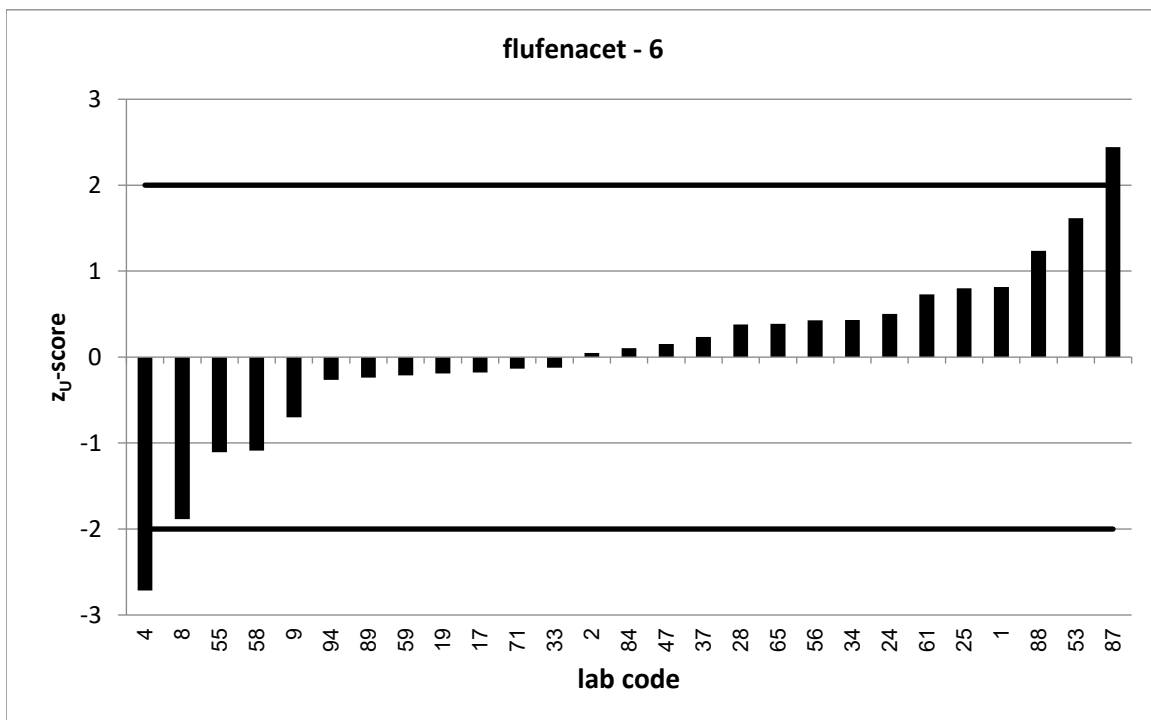
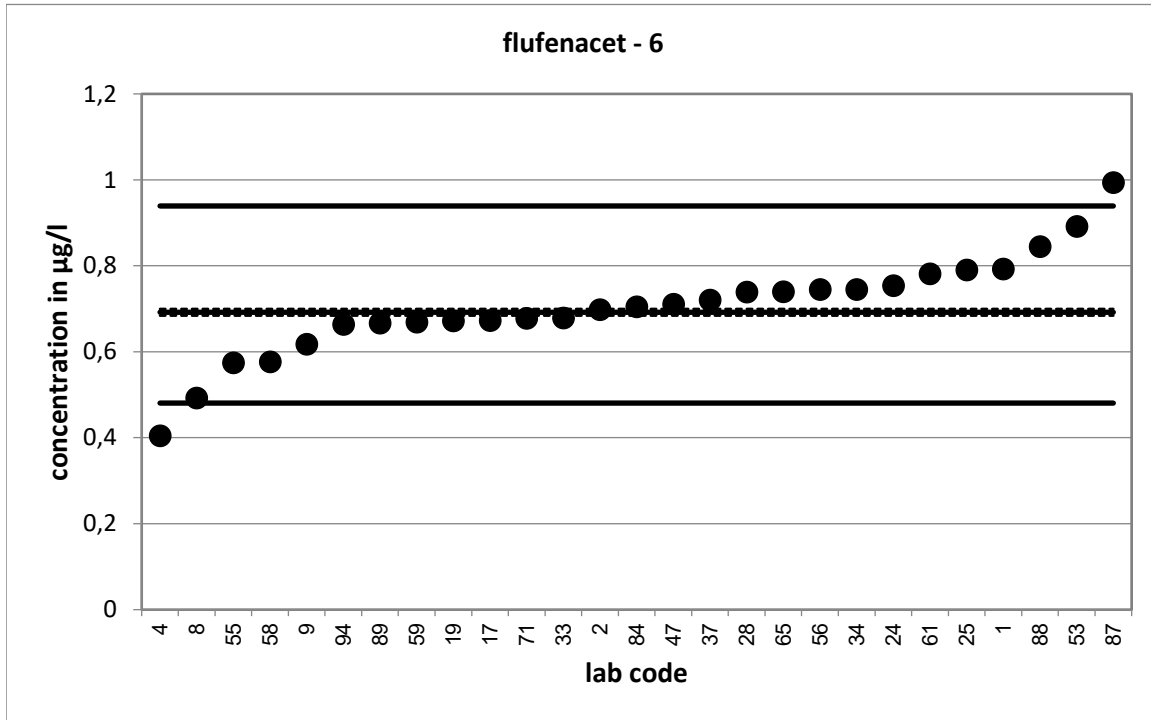


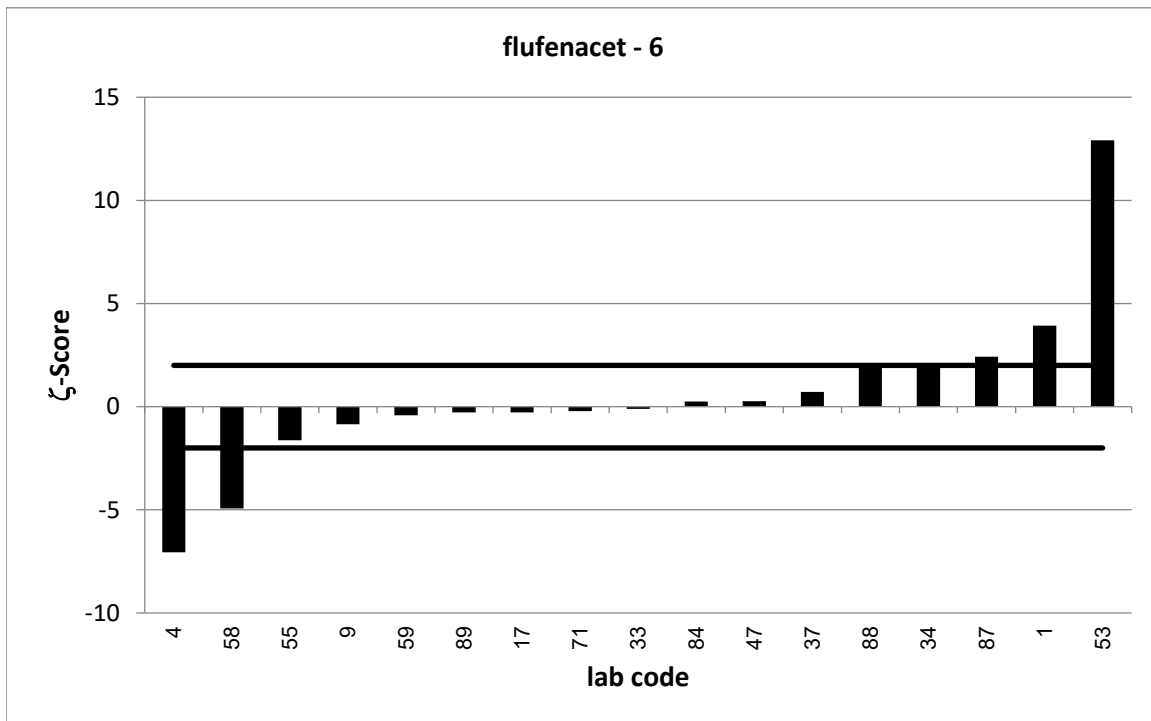
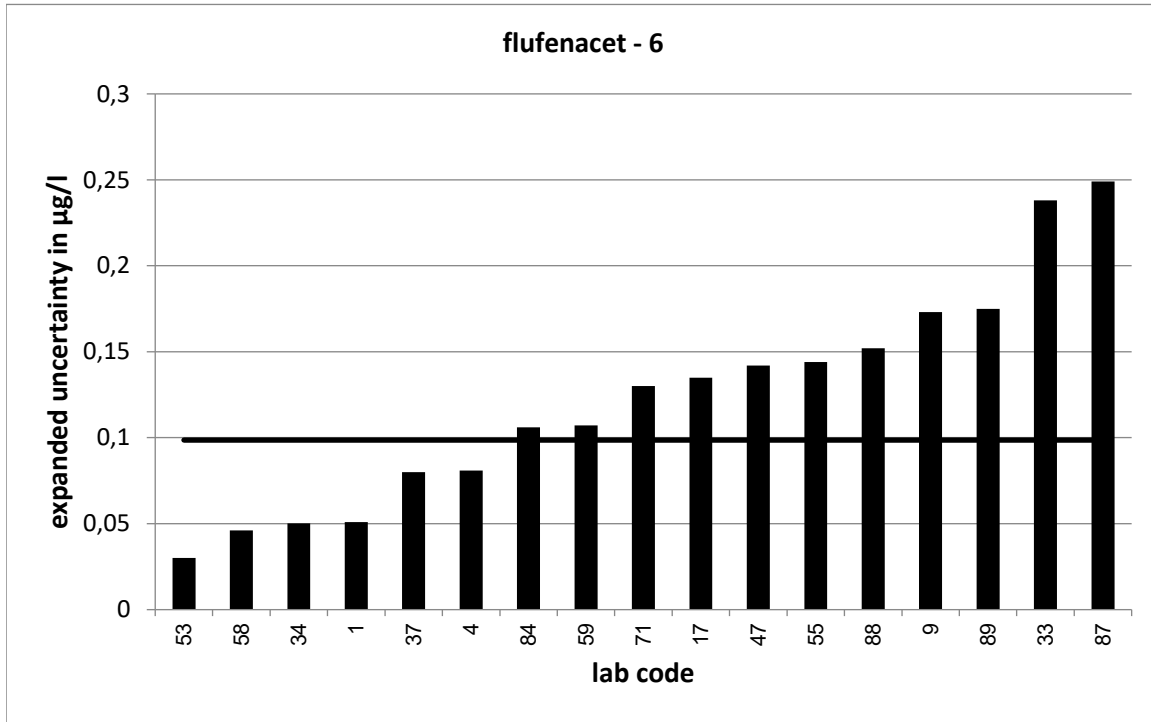


PT 7/20- TW O1		flufenacet - 6			
assigned value [$\mu\text{g/l}$]*		0,692 \pm 0,0077			
upper tolerance limit [$\mu\text{g/l}$]		0,9393			
lower tolerance limit [$\mu\text{g/l}$]		0,4807			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,793	0,051	3,9	0,8	s
2	0,698			0,0	s
4	0,405	0,081	-7,1	-2,7	q
8	0,493			-1,9	s
9	0,618	0,173	-0,9	-0,7	s
17	0,673	0,135	-0,3	-0,2	s
19	0,672			-0,2	s
24	0,754			0,5	s
25	0,791			0,8	s
28	0,739			0,4	s
33	0,679	0,238	-0,1	-0,1	s
34	0,7452	0,05	2,1	0,4	s
37	0,721	0,08	0,7	0,2	s
47	0,711	0,142	0,3	0,2	s
53	0,892	0,03	12,9	1,6	s
55	0,575	0,144	-1,6	-1,1	s
56	0,745			0,4	s
58	0,577	0,046	-4,9	-1,1	s
59	0,6695	0,107	-0,4	-0,2	s
61	0,782			0,7	s
65	0,74			0,4	s
71	0,678	0,13	-0,2	-0,1	s
84	0,705	0,106	0,2	0,1	s
87	0,994	0,249	2,4	2,4	q
88	0,845	0,152	2,0	1,2	s
89	0,667	0,175	-0,3	-0,2	s
94	0,664			-0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

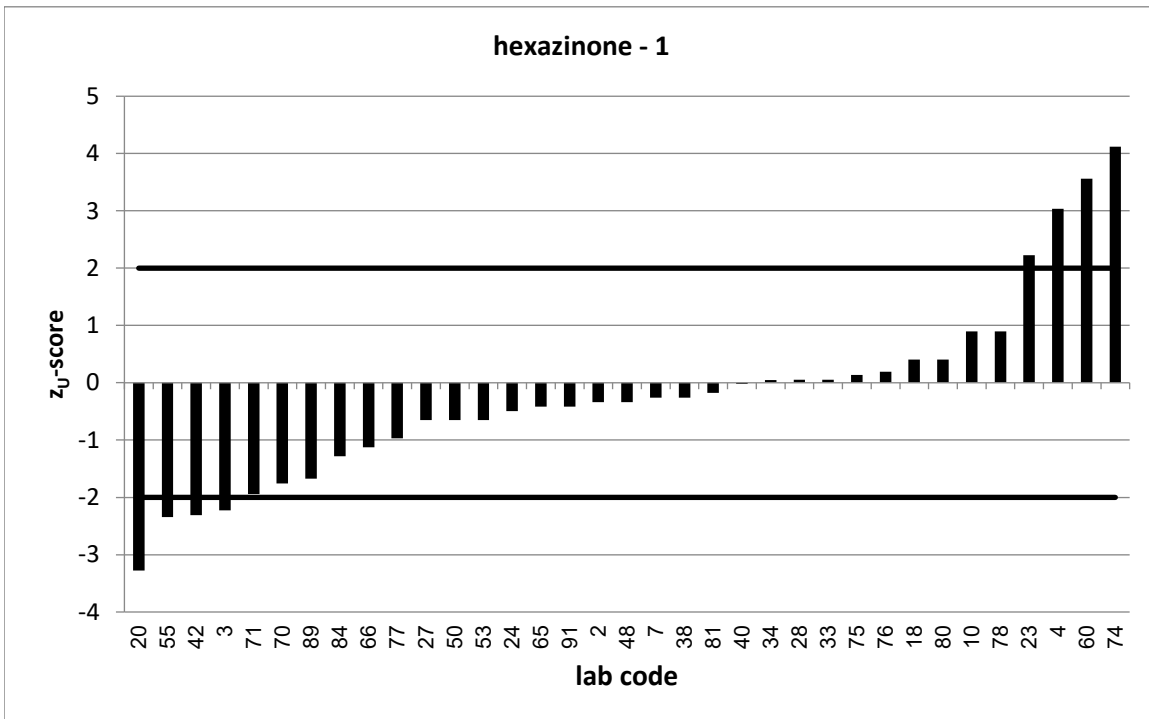
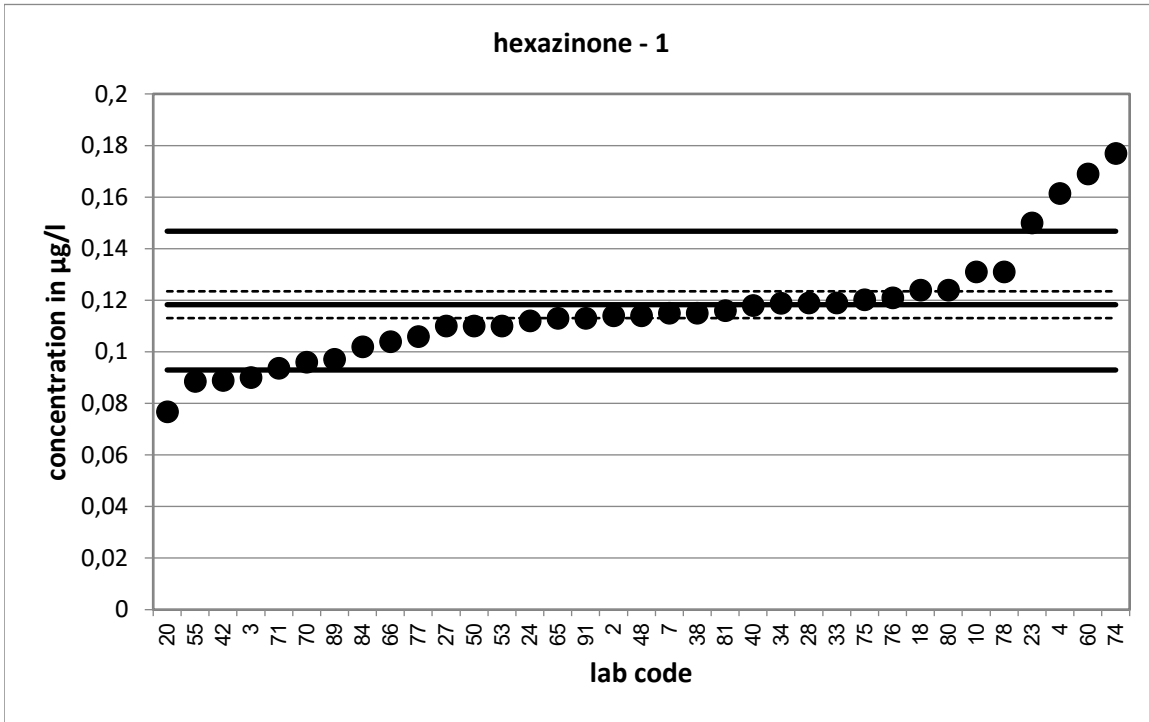


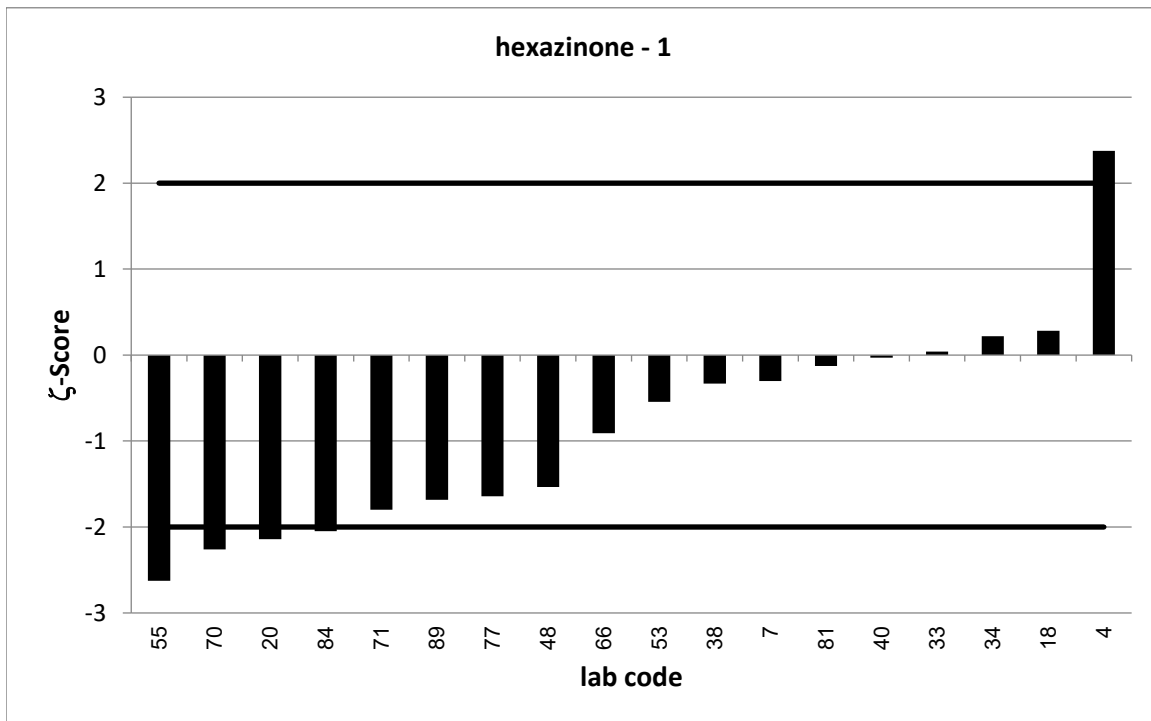
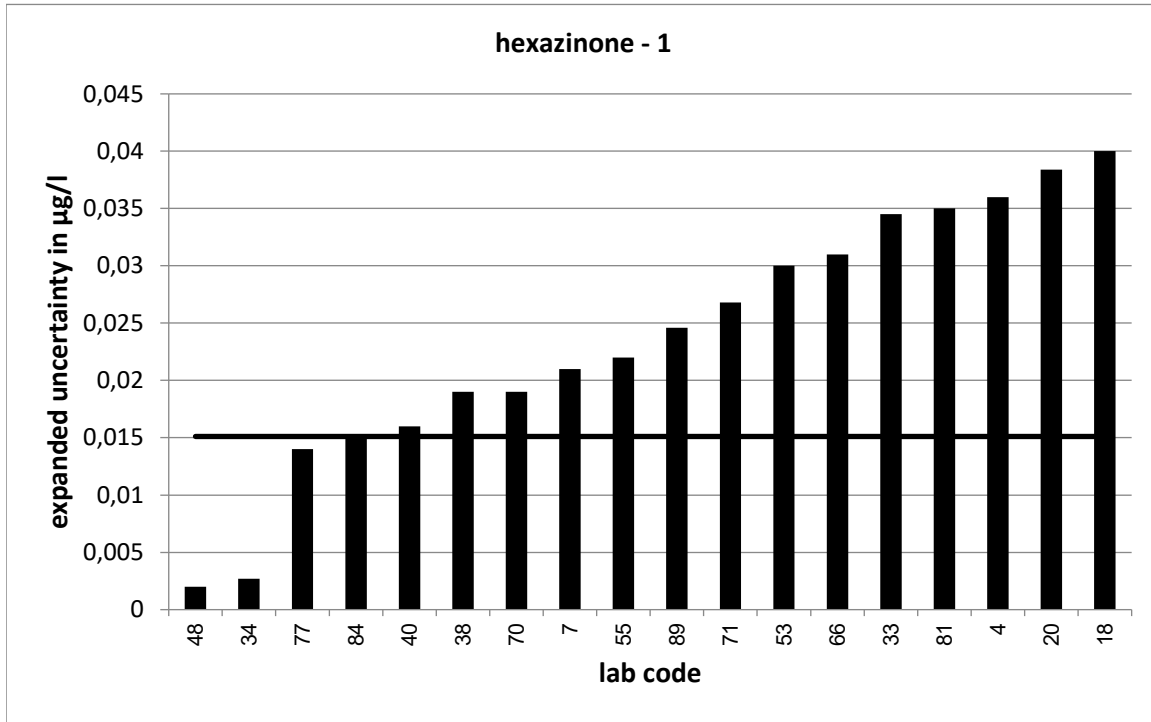


PT 7/20- TW O1		hexazinone - 1			
assigned value [$\mu\text{g/l}$]*		0,1183 \pm 0,0052			
upper tolerance limit [$\mu\text{g/l}$]		0,1468			
lower tolerance limit [$\mu\text{g/l}$]		0,09295			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,114			-0,3	s
3	0,0901			-2,2	q
4	0,1615	0,036	2,4	3,0	u
7	0,115	0,021	-0,3	-0,3	s
10	0,131			0,9	s
18	0,124	0,04	0,3	0,4	s
20	0,0768	0,038	-2,1	-3,3	u
23	0,15			2,2	q
24	0,112			-0,5	s
27	0,11			-0,7	s
28	0,119			0,1	s
33	0,119	0,035	0,0	0,1	s
34	0,1189	0,003	0,2	0,0	s
38	0,115	0,019	-0,3	-0,3	s
40	0,118	0,016	0,0	0,0	s
42	0,089			-2,3	q
48	0,114	0,002	-1,5	-0,3	s
50	0,11			-0,7	s
53	0,11	0,03	-0,5	-0,7	s
55	0,0886	0,022	-2,6	-2,3	q
60	0,169			3,6	u
65	0,113			-0,4	s
66	0,104	0,031	-0,9	-1,1	s
70	0,096	0,019	-2,3	-1,8	s
71	0,0937	0,027	-1,8	-1,9	s
74	0,177			4,1	u
75	0,1202			0,1	s
76	0,121			0,2	s
77	0,106	0,014	-1,6	-1,0	s
78	0,131			0,9	s
80	0,124			0,4	s
81	0,116	0,035	-0,1	-0,2	s
84	0,102	0,015	-2,0	-1,3	s
89	0,0971	0,025	-1,7	-1,7	s
91	0,113			-0,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

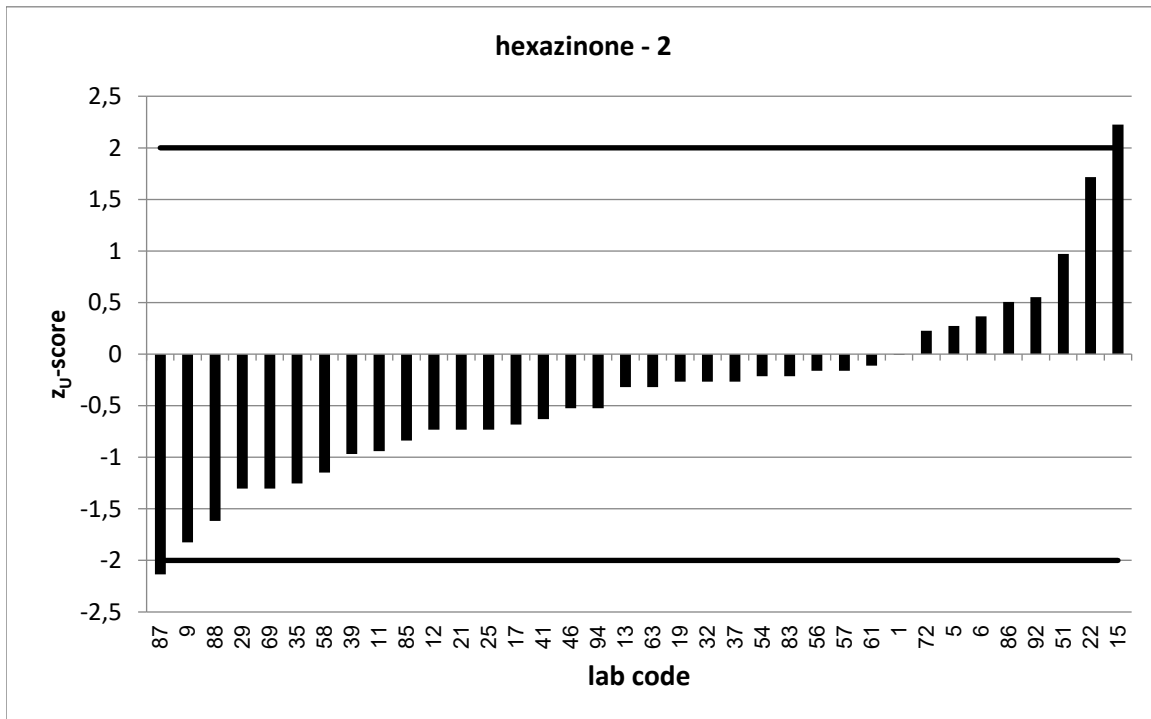
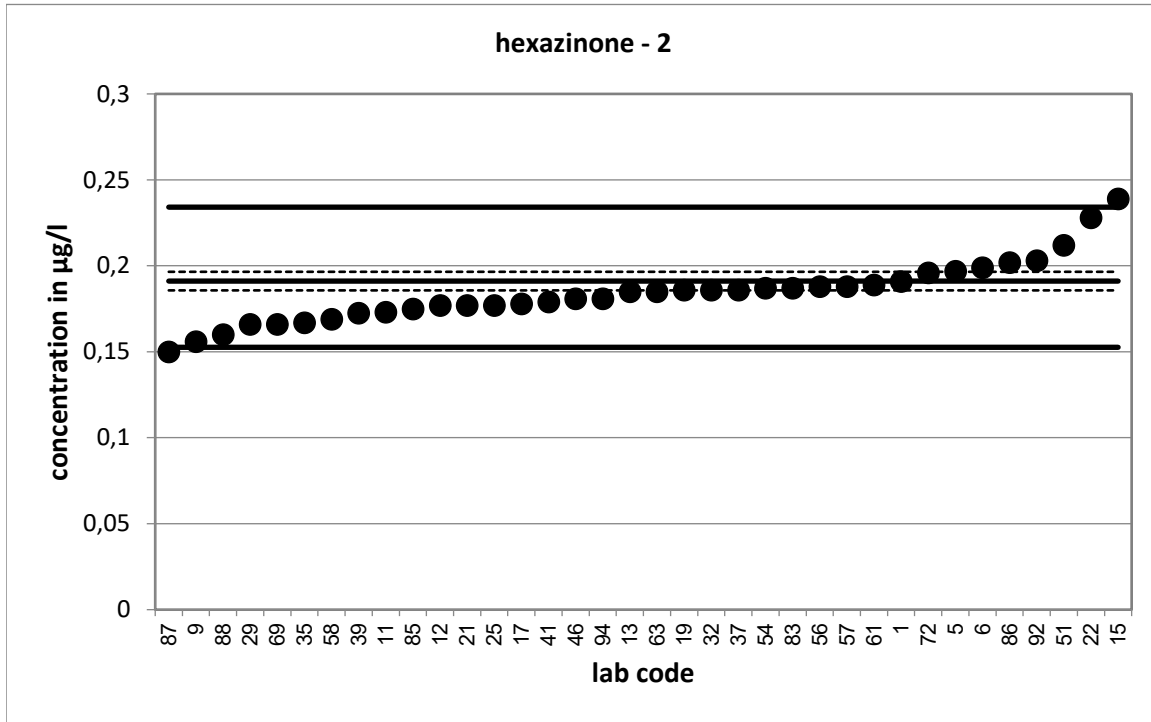


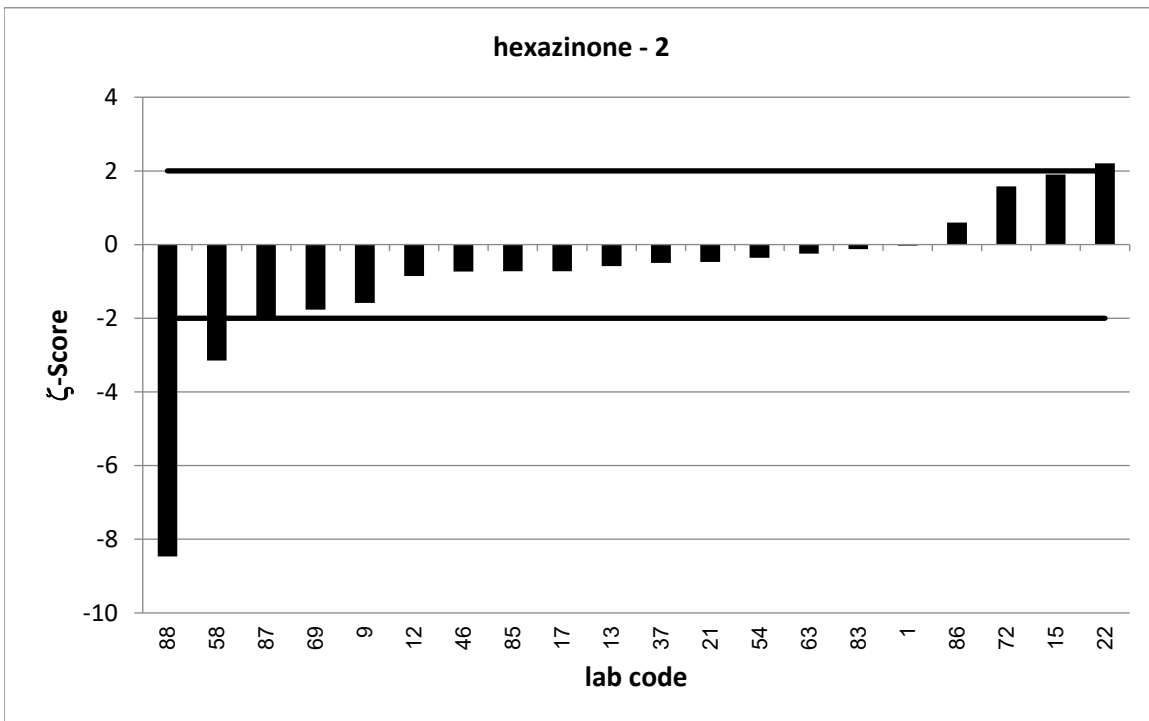
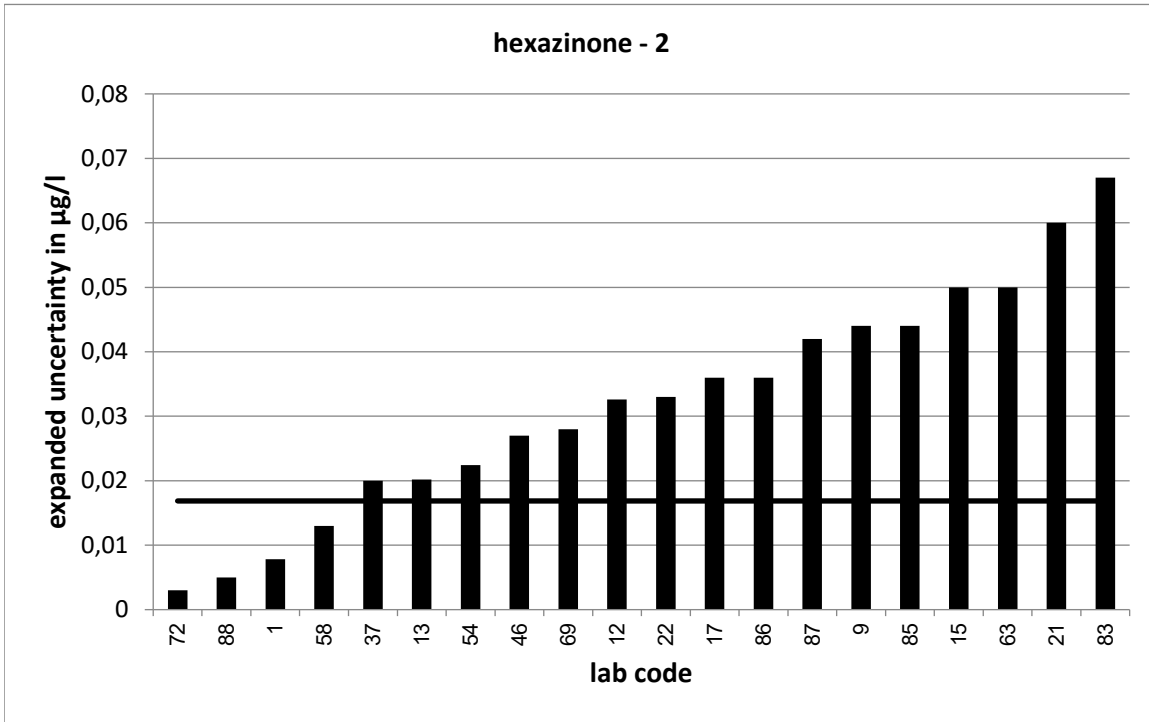


PT 7/20- TW O1		hexazinone - 2			
assigned value [$\mu\text{g/l}$]*		0,1911 \pm 0,0054			
upper tolerance limit [$\mu\text{g/l}$]		0,2341			
lower tolerance limit [$\mu\text{g/l}$]		0,1526			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,191	0,008	0,0	0,0	s
5	0,197			0,3	s
6	0,199			0,4	s
9	0,156	0,044	-1,6	-1,8	s
11	0,173			-0,9	s
12	0,177	0,033	-0,9	-0,7	s
13	0,185	0,02	-0,6	-0,3	s
15	0,239	0,05	1,9	2,2	q
17	0,178	0,036	-0,7	-0,7	s
19	0,186			-0,3	s
21	0,177	0,06	-0,5	-0,7	s
22	0,228	0,033	2,2	1,7	s
25	0,177			-0,7	s
29	0,166			-1,3	s
32	0,186			-0,3	s
35	0,167			-1,3	s
37	0,186	0,02	-0,5	-0,3	s
39	0,1725			-1,0	s
41	0,179			-0,6	s
46	0,181	0,027	-0,7	-0,5	s
51	0,212			1,0	s
54	0,187	0,022	-0,4	-0,2	s
56	0,188			-0,2	s
57	0,188			-0,2	s
58	0,169	0,013	-3,1	-1,1	s
61	0,189			-0,1	s
63	0,185	0,05	-0,2	-0,3	s
69	0,166	0,028	-1,8	-1,3	s
72	0,196	0,003	1,6	0,2	s
83	0,187	0,067	-0,1	-0,2	s
85	0,175	0,044	-0,7	-0,8	s
86	0,202	0,036	0,6	0,5	s
87	0,15	0,042	-1,9	-2,1	q
88	0,16	0,005	-8,5	-1,6	s
92	0,203			0,6	s
94	0,181			-0,5	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

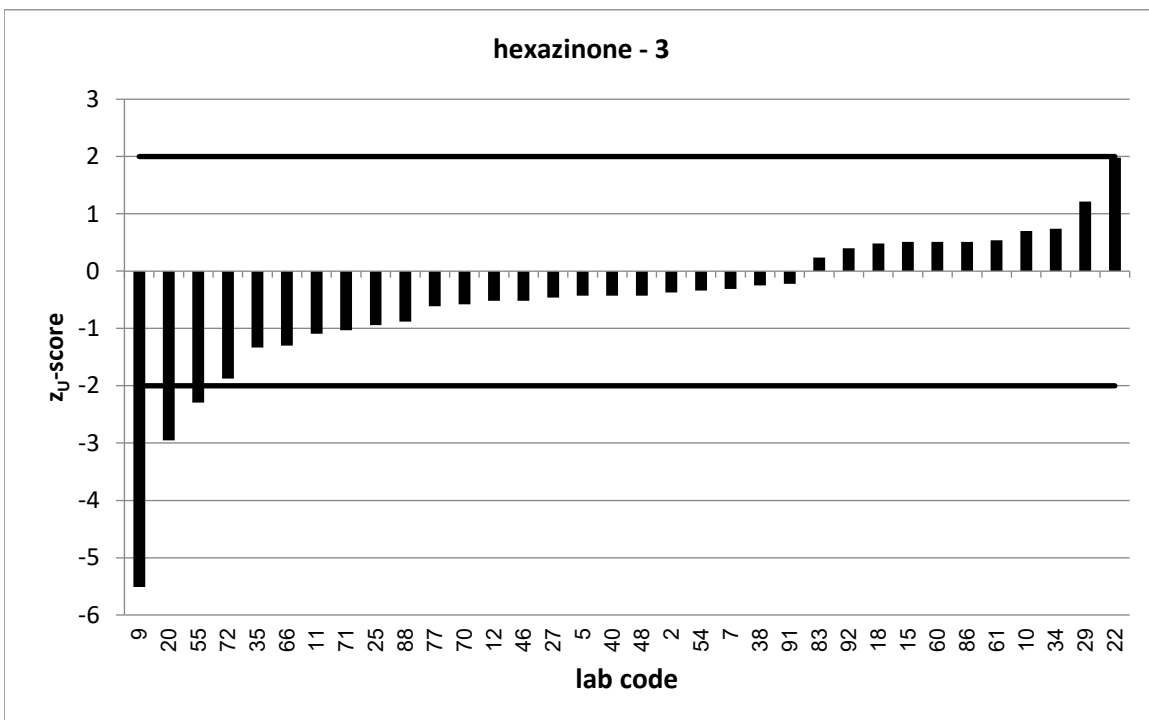
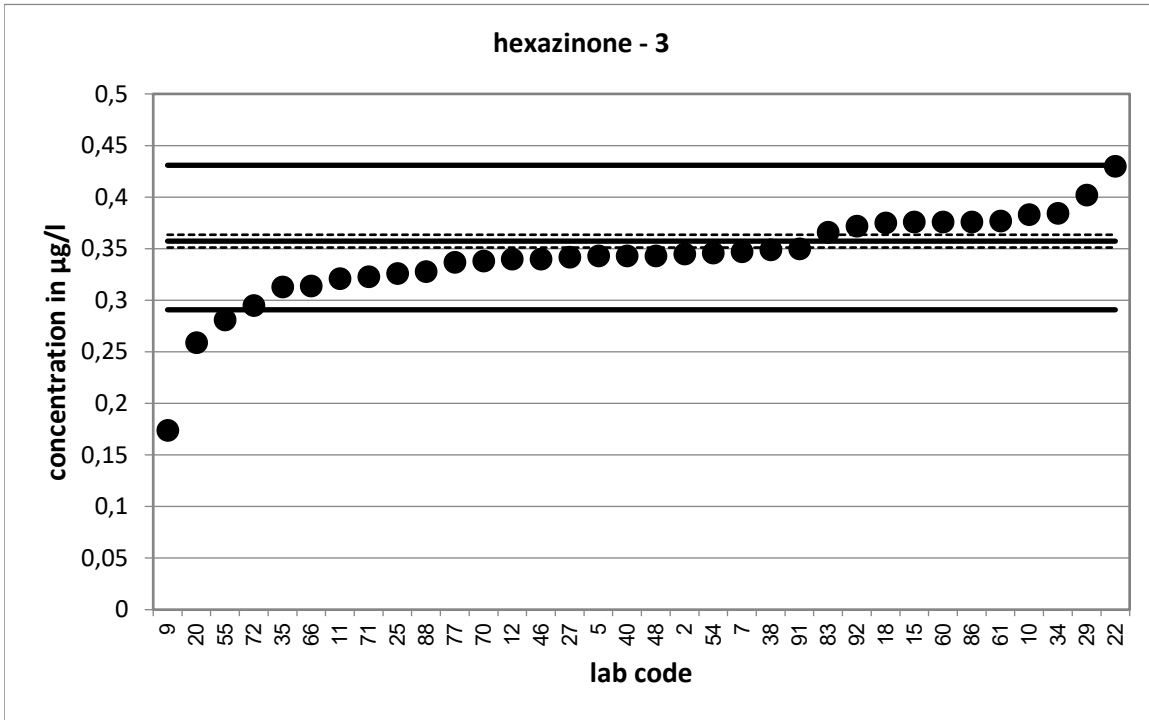


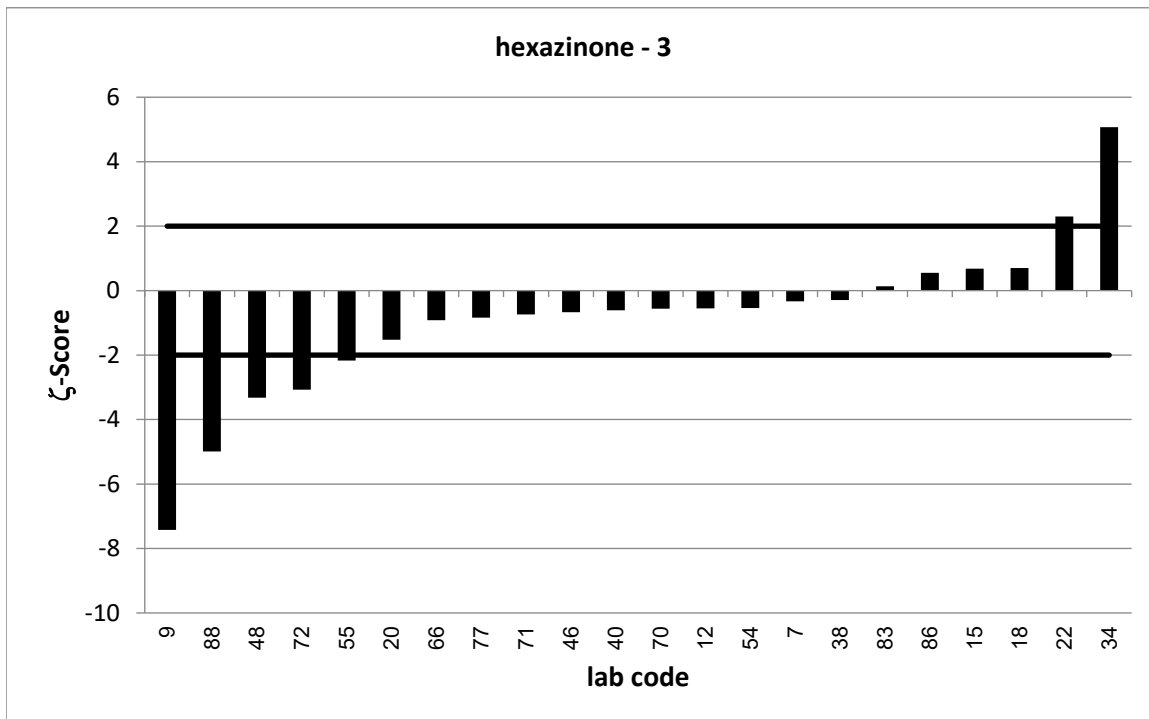
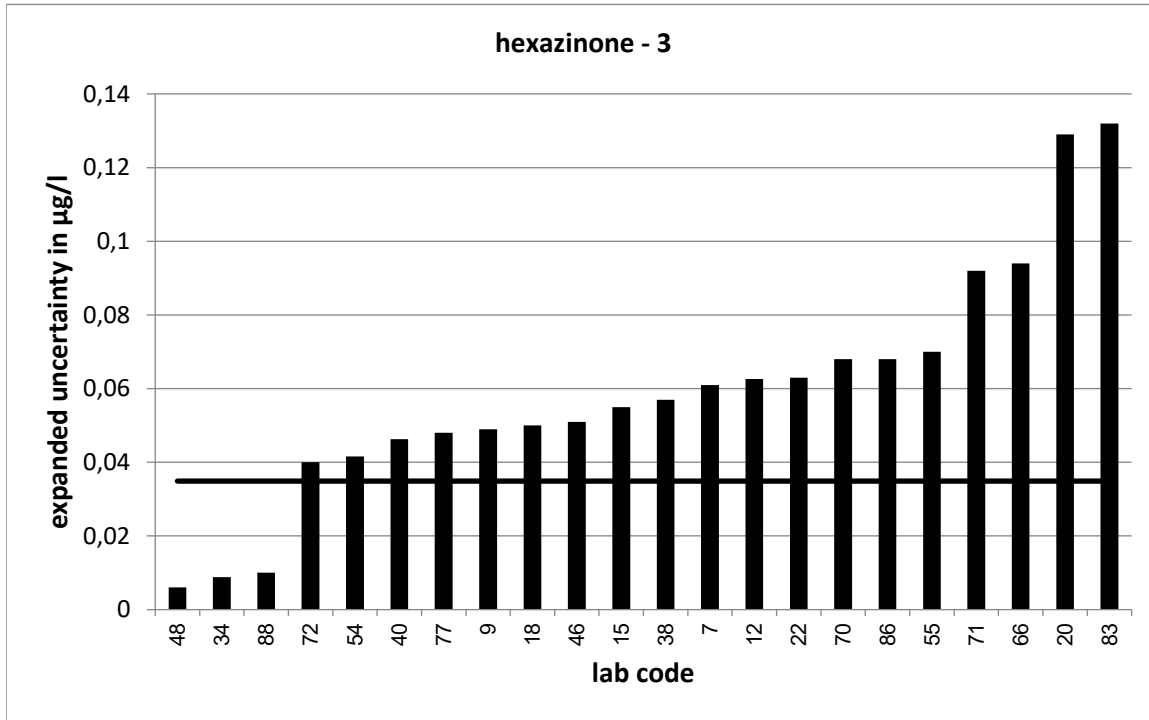


PT 7/20- TW O1		hexazinone - 3			
assigned value [$\mu\text{g/l}$]*		0,3573 \pm 0,0062			
upper tolerance limit [$\mu\text{g/l}$]		0,4308			
lower tolerance limit [$\mu\text{g/l}$]		0,2907			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,345			-0,4	s
5	0,343			-0,4	s
7	0,347	0,061	-0,3	-0,3	s
9	0,174	0,049	-7,4	-5,5	u
10	0,383			0,7	s
11	0,321			-1,1	s
12	0,34	0,063	-0,5	-0,5	s
15	0,376	0,055	0,7	0,5	s
18	0,375	0,05	0,7	0,5	s
20	0,259	0,129	-1,5	-3,0	u
22	0,43	0,063	2,3	2,0	s
25	0,326			-0,9	s
27	0,342			-0,5	s
29	0,402			1,2	s
34	0,3845	0,009	5,1	0,7	s
35	0,313			-1,3	s
38	0,349	0,057	-0,3	-0,2	s
40	0,343	0,046	-0,6	-0,4	s
46	0,34	0,051	-0,7	-0,5	s
48	0,343	0,006	-3,3	-0,4	s
54	0,346	0,042	-0,5	-0,3	s
55	0,281	0,07	-2,2	-2,3	q
60	0,376			0,5	s
61	0,377			0,5	s
66	0,314	0,094	-0,9	-1,3	s
70	0,338	0,068	-0,6	-0,6	s
71	0,323	0,092	-0,7	-1,0	s
72	0,295	0,04	-3,1	-1,9	s
77	0,337	0,048	-0,8	-0,6	s
83	0,366	0,132	0,1	0,2	s
86	0,376	0,068	0,5	0,5	s
88	0,328	0,01	-5,0	-0,9	s
91	0,35			-0,2	s
92	0,372			0,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

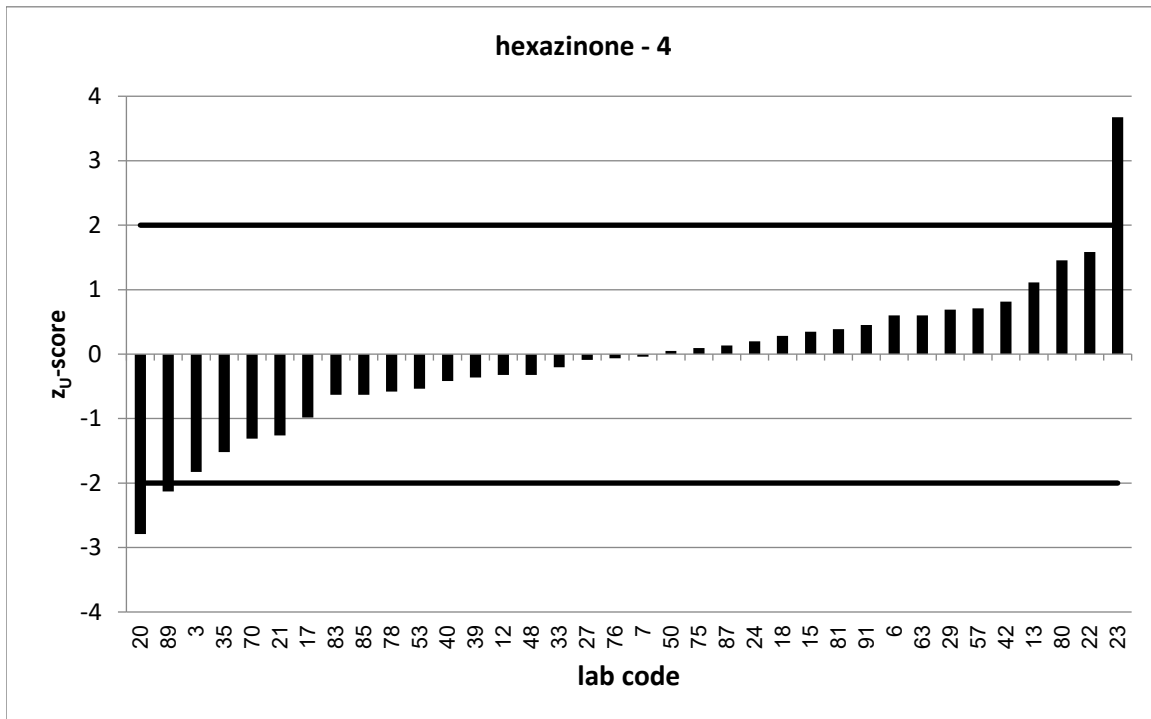
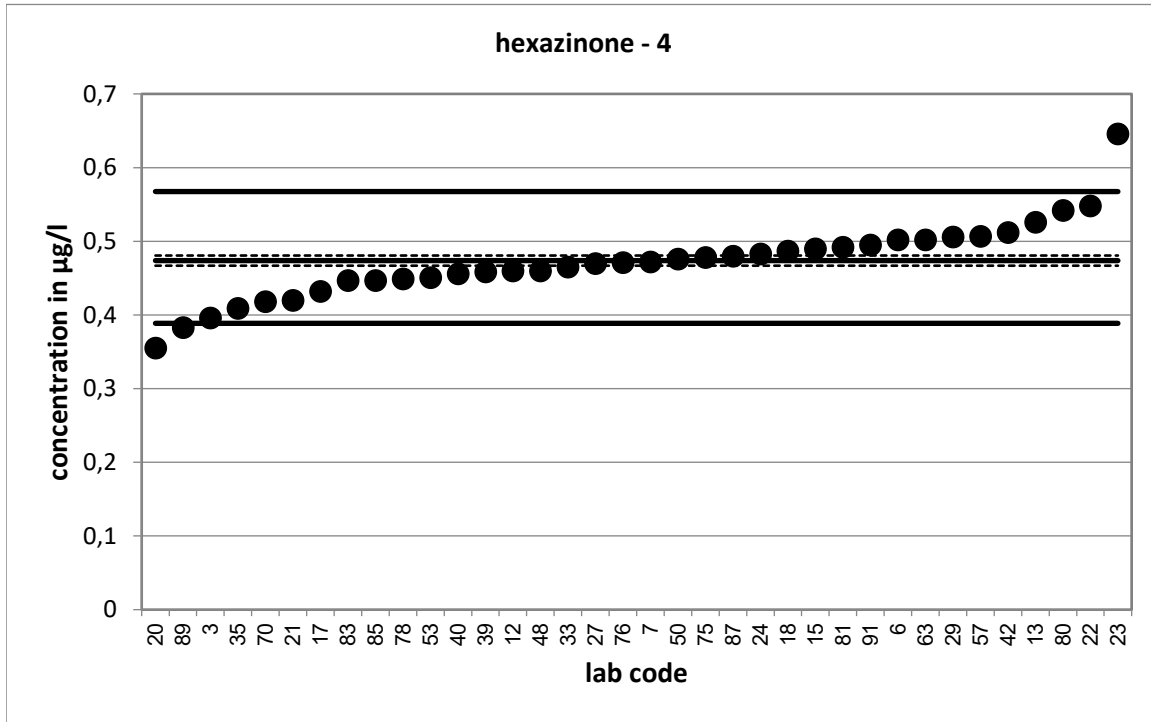


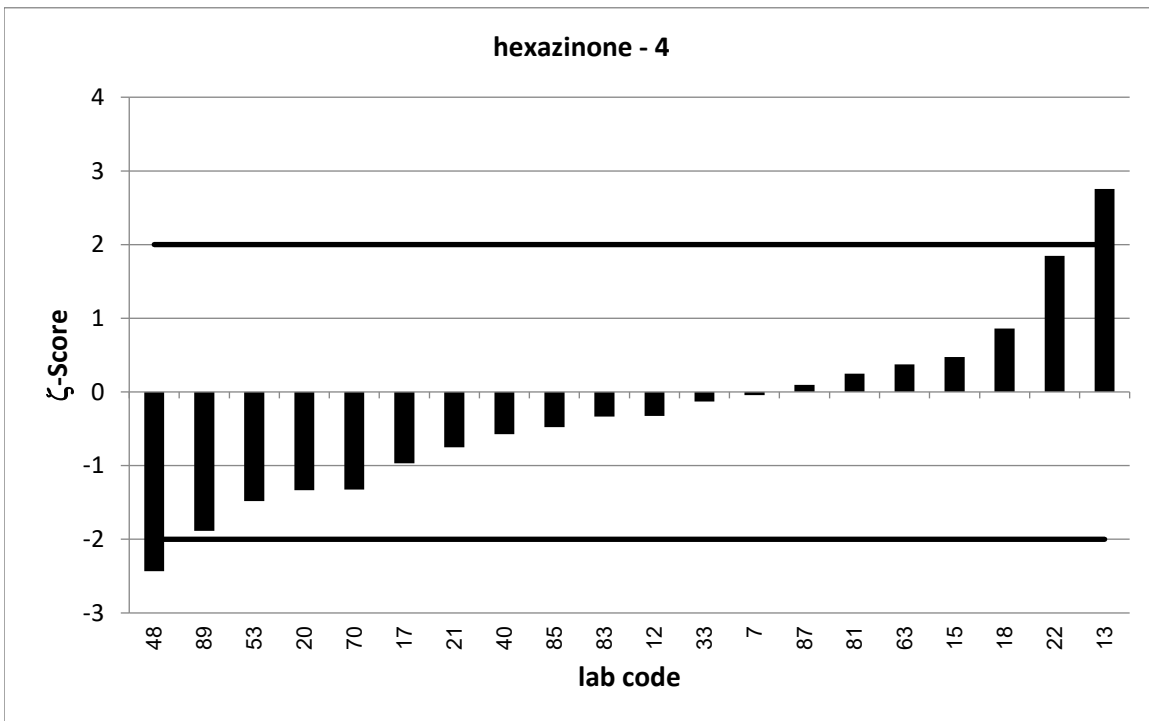
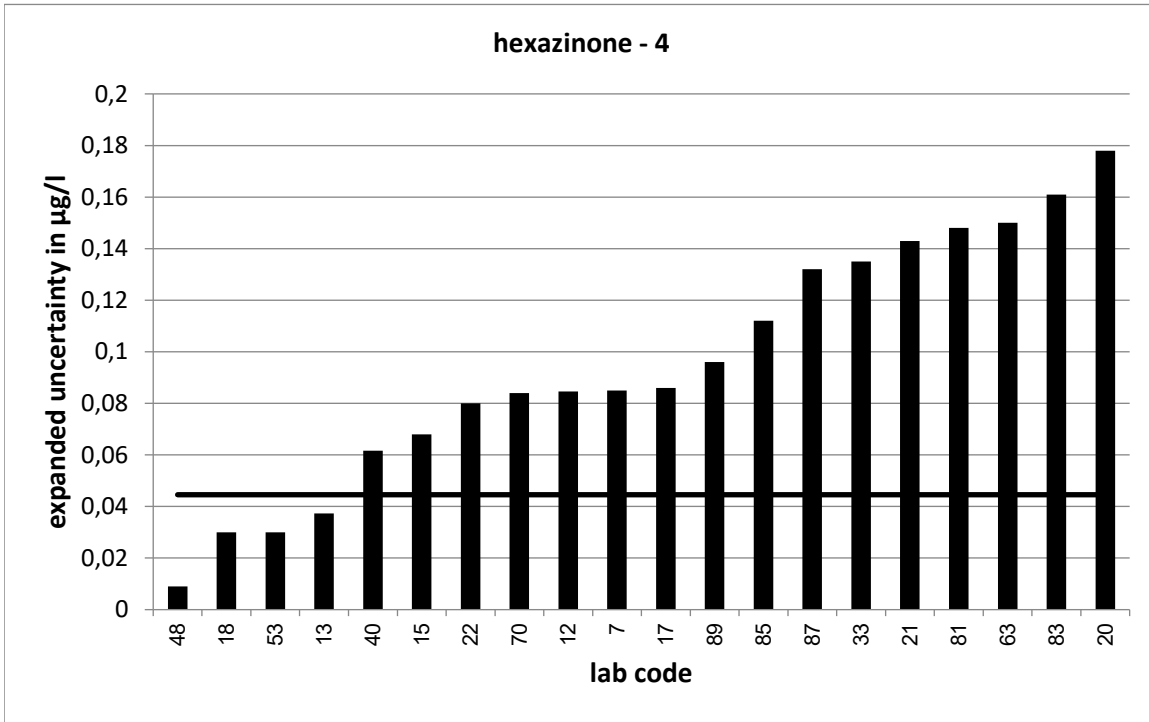


PT 7/20- TW O1		hexazinone - 4			
assigned value [$\mu\text{g/l}$]*		0,4738 \pm 0,0069			
upper tolerance limit [$\mu\text{g/l}$]		0,5675			
lower tolerance limit [$\mu\text{g/l}$]		0,3886			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
3	0,396			-1,8	s
6	0,502			0,6	s
7	0,472	0,085	0,0	0,0	s
12	0,46	0,085	-0,3	-0,3	s
13	0,526	0,037	2,8	1,1	s
15	0,49	0,068	0,5	0,3	s
17	0,432	0,086	-1,0	-1,0	s
18	0,487	0,03	0,9	0,3	s
20	0,355	0,178	-1,3	-2,8	q
21	0,42	0,143	-0,8	-1,3	s
22	0,548	0,08	1,8	1,6	s
23	0,646			3,7	u
24	0,483			0,2	s
27	0,47			-0,1	s
29	0,506			0,7	s
33	0,465	0,135	-0,1	-0,2	s
35	0,409			-1,5	s
39	0,4584			-0,4	s
40	0,456	0,062	-0,6	-0,4	s
42	0,512			0,8	s
48	0,46	0,009	-2,4	-0,3	s
50	0,476			0,0	s
53	0,451	0,03	-1,5	-0,5	s
57	0,507			0,7	s
63	0,502	0,15	0,4	0,6	s
70	0,418	0,084	-1,3	-1,3	s
75	0,4782			0,1	s
76	0,471			-0,1	s
78	0,449			-0,6	s
80	0,542			1,5	s
81	0,492	0,148	0,2	0,4	s
83	0,447	0,161	-0,3	-0,6	s
85	0,447	0,112	-0,5	-0,6	s
87	0,48	0,132	0,1	0,1	s
89	0,383	0,096	-1,9	-2,1	q
91	0,495			0,5	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

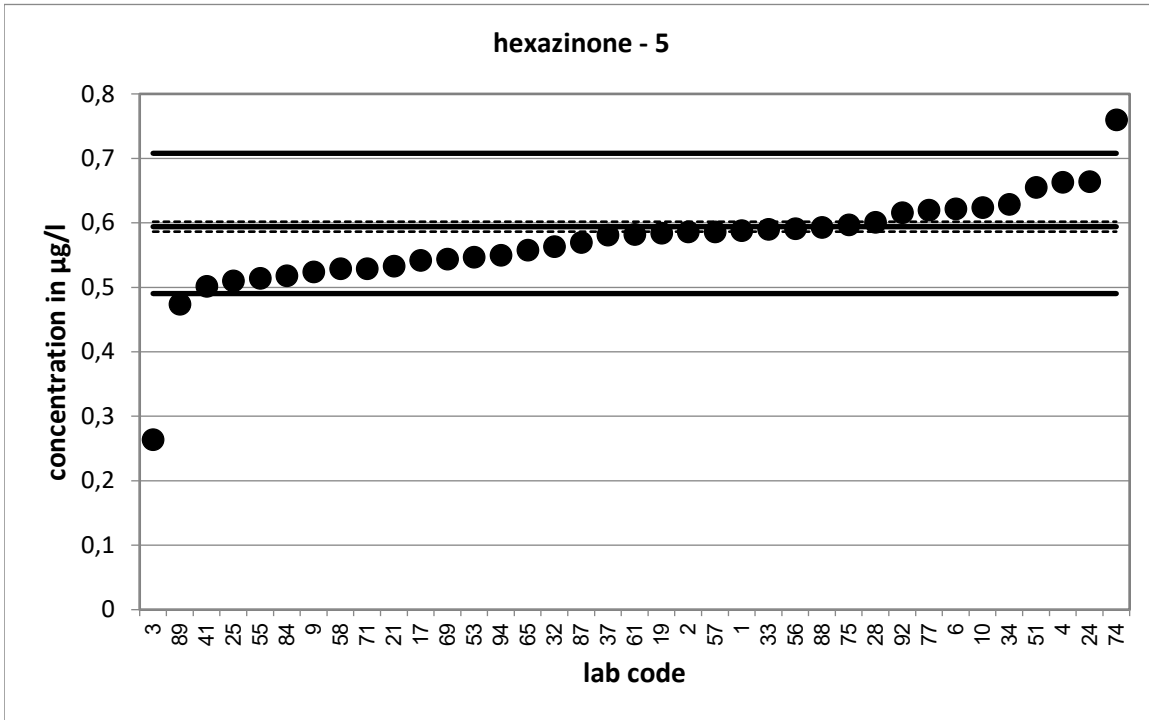


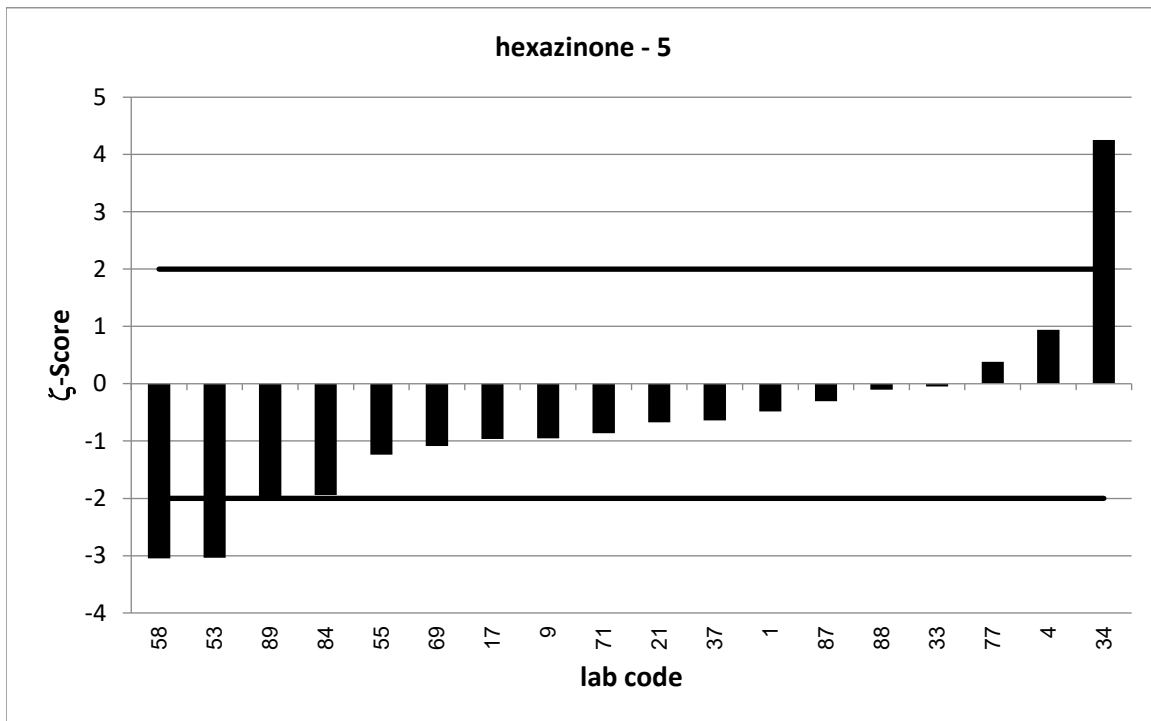
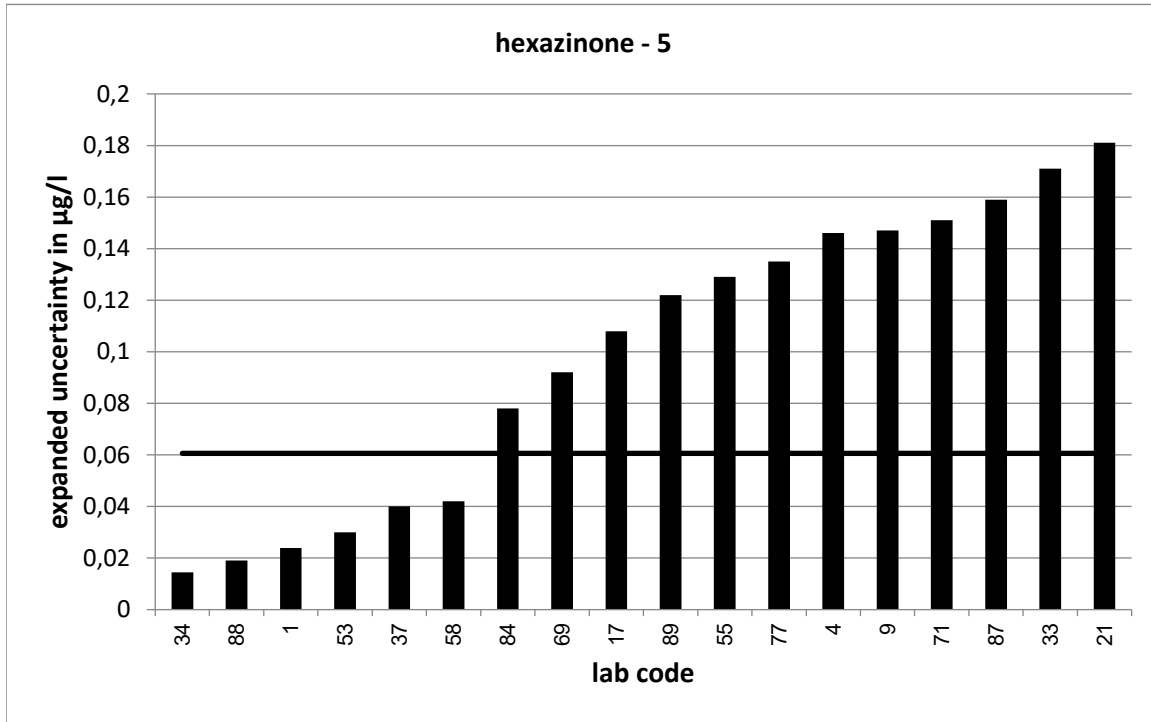


PT 7/20- TW O1		hexazinone - 5			
assigned value [$\mu\text{g/l}$]*		0,5941 \pm 0,0077			
upper tolerance limit [$\mu\text{g/l}$]		0,7079			
lower tolerance limit [$\mu\text{g/l}$]		0,4903			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,588	0,024	-0,5	-0,1	s
2	0,586			-0,2	s
3	0,264			-6,4	u
4	0,663	0,146	0,9	1,2	s
6	0,622			0,5	s
9	0,524	0,147	-1,0	-1,4	s
10	0,624			0,5	s
17	0,542	0,108	-1,0	-1,0	s
19	0,584			-0,2	s
21	0,533	0,181	-0,7	-1,2	s
24	0,664			1,2	s
25	0,51			-1,6	s
28	0,601			0,1	s
32	0,5635			-0,6	s
33	0,59	0,171	0,0	-0,1	s
34	0,629	0,015	4,3	0,6	s
37	0,581	0,04	-0,6	-0,3	s
41	0,502			-1,8	s
51	0,655			1,1	s
53	0,547	0,03	-3,0	-0,9	s
55	0,514	0,129	-1,2	-1,5	s
56	0,591			-0,1	s
57	0,586			-0,2	s
58	0,529	0,042	-3,0	-1,3	s
61	0,582			-0,2	s
65	0,558			-0,7	s
69	0,544	0,092	-1,1	-1,0	s
71	0,529	0,151	-0,9	-1,3	s
74	0,76			2,9	q
75	0,5973			0,1	s
77	0,62	0,135	0,4	0,5	s
84	0,518	0,078	-1,9	-1,5	s
87	0,57	0,159	-0,3	-0,5	s
88	0,593	0,019	-0,1	0,0	s
89	0,474	0,122	-2,0	-2,3	q
92	0,616			0,4	s
94	0,55			-0,8	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

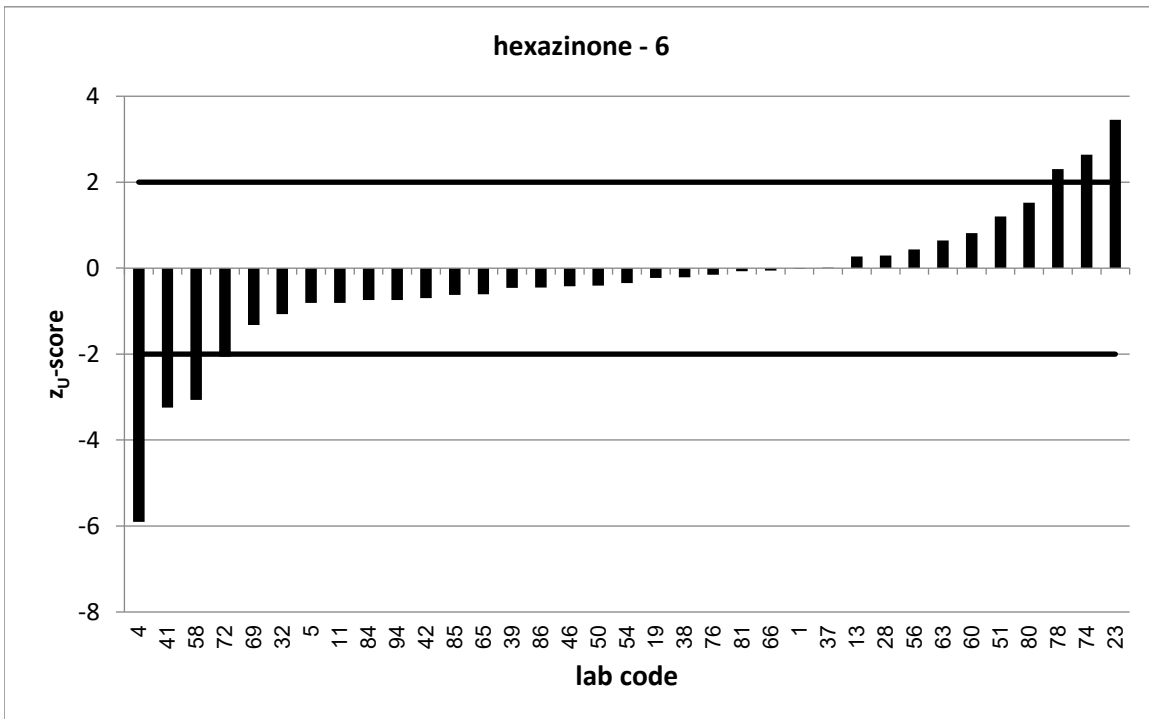
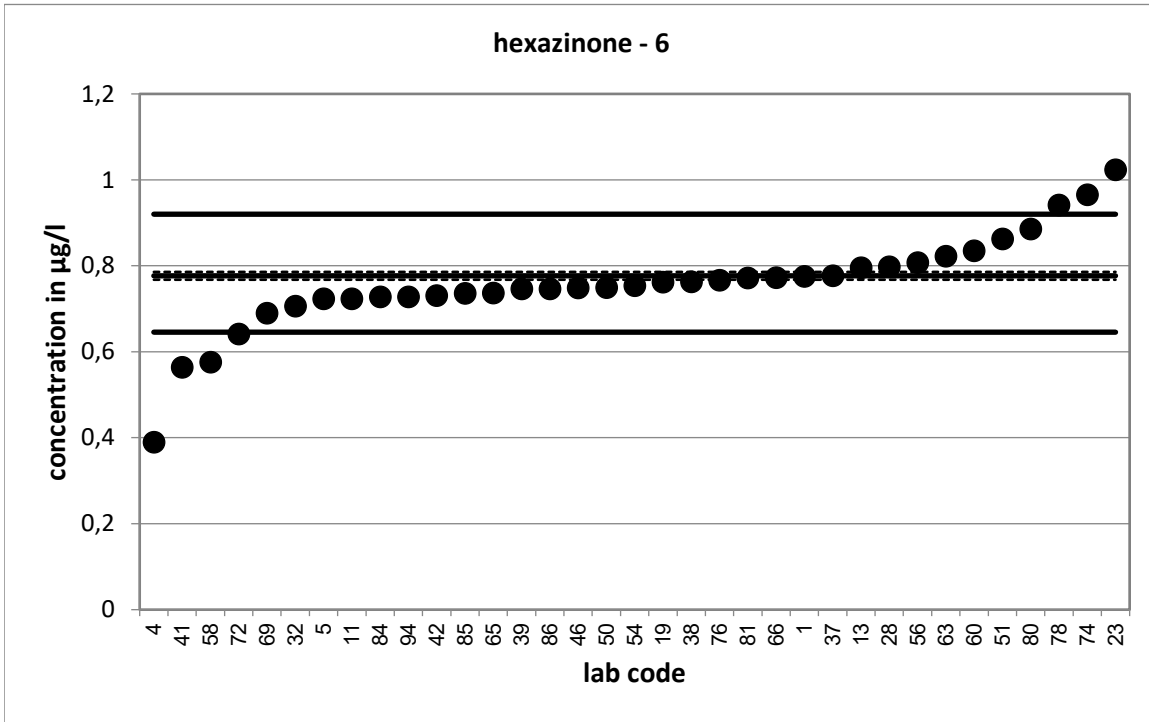


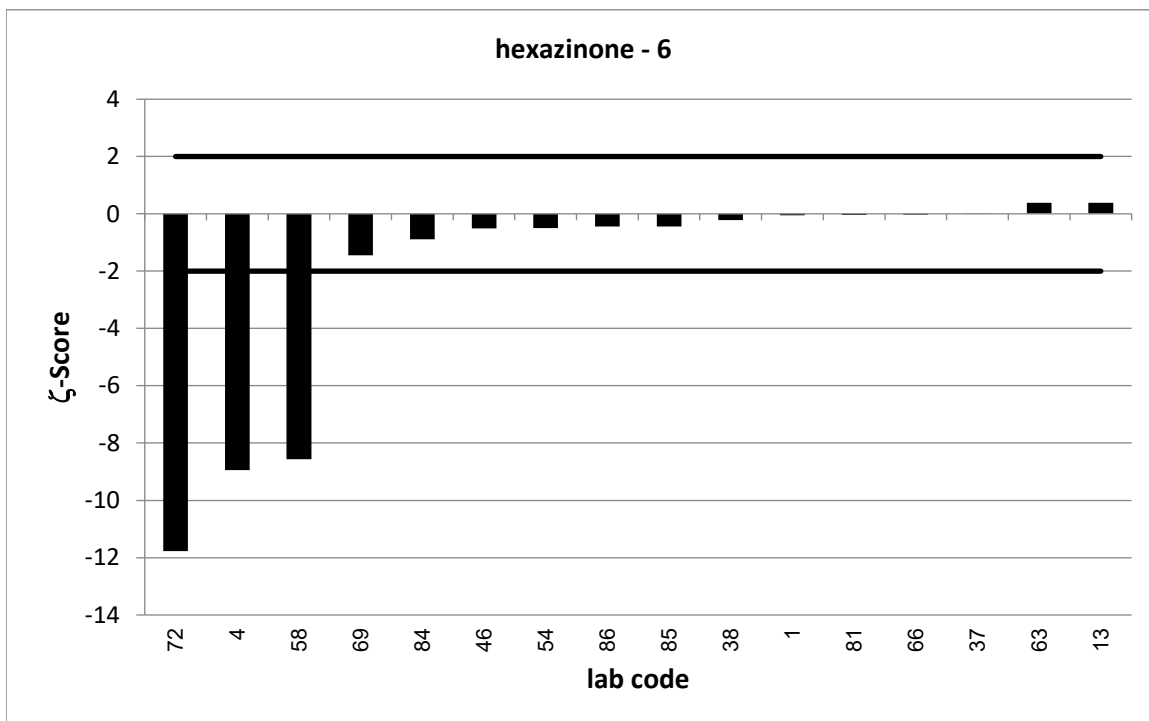
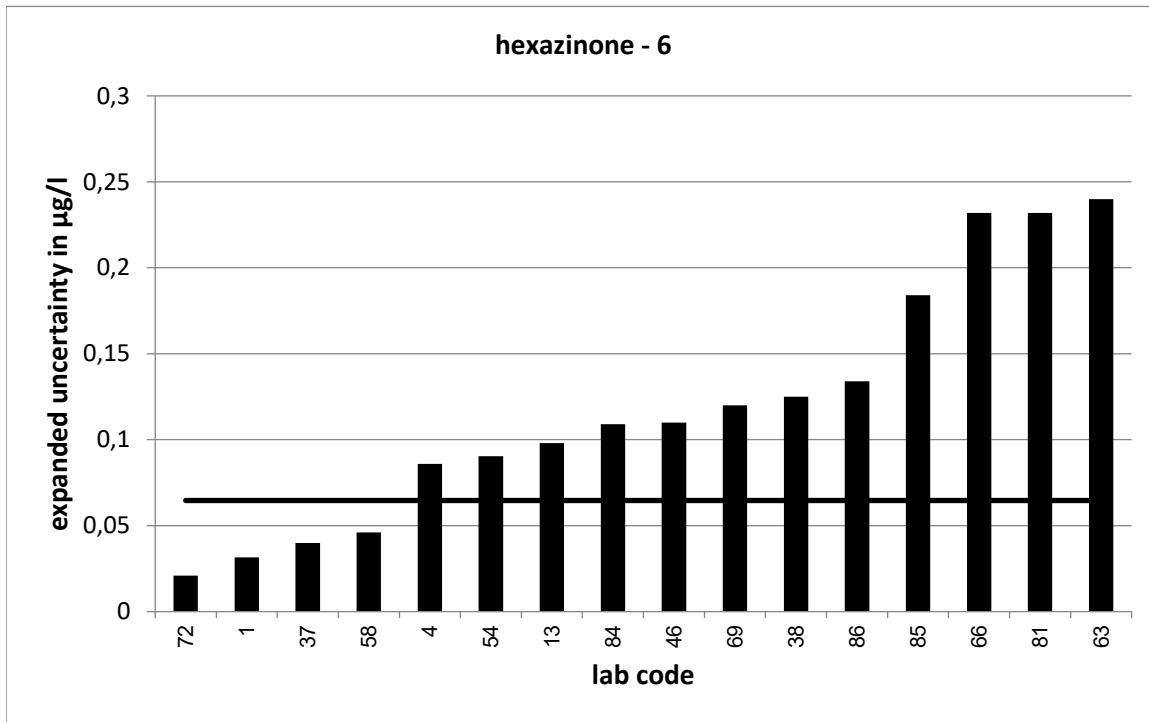


PT 7/20- TW O1		hexazinone - 6			
assigned value [$\mu\text{g/l}$]*		0,7768 \pm 0,0091			
upper tolerance limit [$\mu\text{g/l}$]		0,9201			
lower tolerance limit [$\mu\text{g/l}$]		0,6457			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,776	0,032	0,0	0,0	s
4	0,39	0,086	-8,9	-5,9	u
5	0,724			-0,8	s
11	0,724			-0,8	s
13	0,796	0,098	0,4	0,3	s
19	0,762			-0,2	s
23	1,024			3,4	u
28	0,798			0,3	s
32	0,7068			-1,1	s
37	0,777	0,04	0,0	0,0	s
38	0,763	0,125	-0,2	-0,2	s
39	0,7469			-0,5	s
41	0,564			-3,2	u
42	0,731			-0,7	s
46	0,749	0,11	-0,5	-0,4	s
50	0,75			-0,4	s
51	0,863			1,2	s
54	0,754	0,09	-0,5	-0,3	s
56	0,808			0,4	s
58	0,576	0,046	-8,6	-3,1	u
60	0,835			0,8	s
63	0,823	0,24	0,4	0,6	s
65	0,737			-0,6	s
66	0,773	0,232	0,0	-0,1	s
69	0,69	0,12	-1,4	-1,3	s
72	0,642	0,021	-11,8	-2,1	q
74	0,966			2,6	q
76	0,767			-0,1	s
78	0,942			2,3	q
80	0,886			1,5	s
81	0,772	0,232	0,0	-0,1	s
84	0,728	0,109	-0,9	-0,7	s
85	0,736	0,184	-0,4	-0,6	s
86	0,747	0,134	-0,4	-0,5	s
94	0,728			-0,7	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

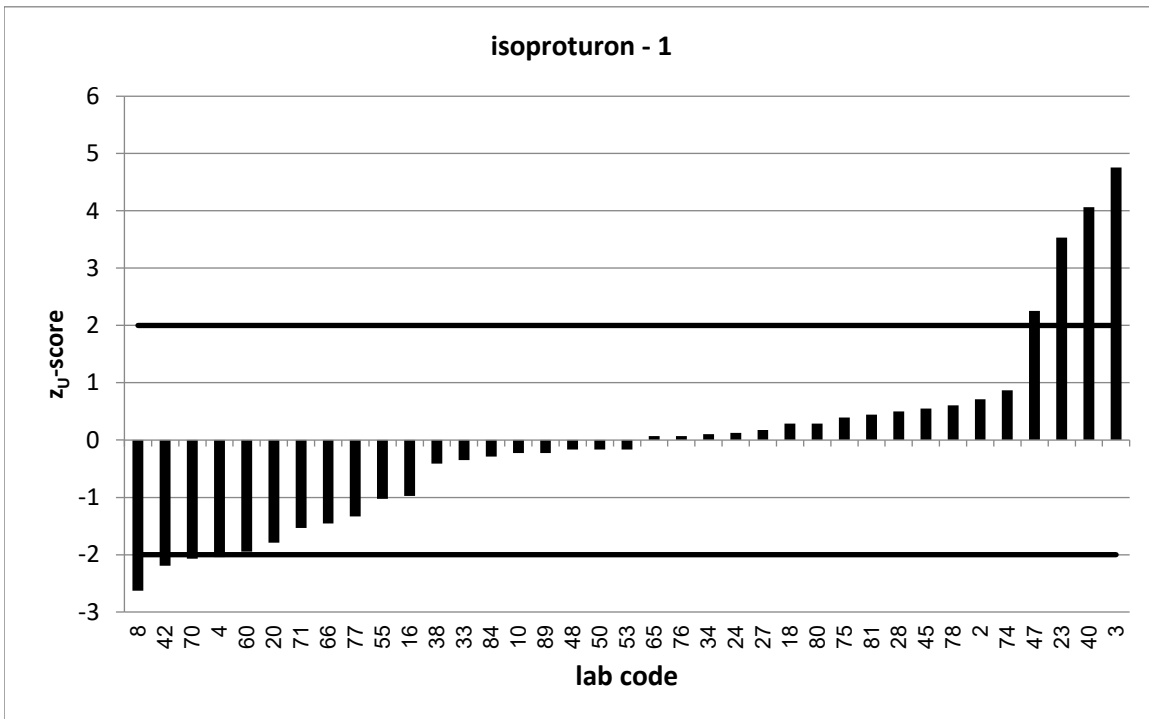
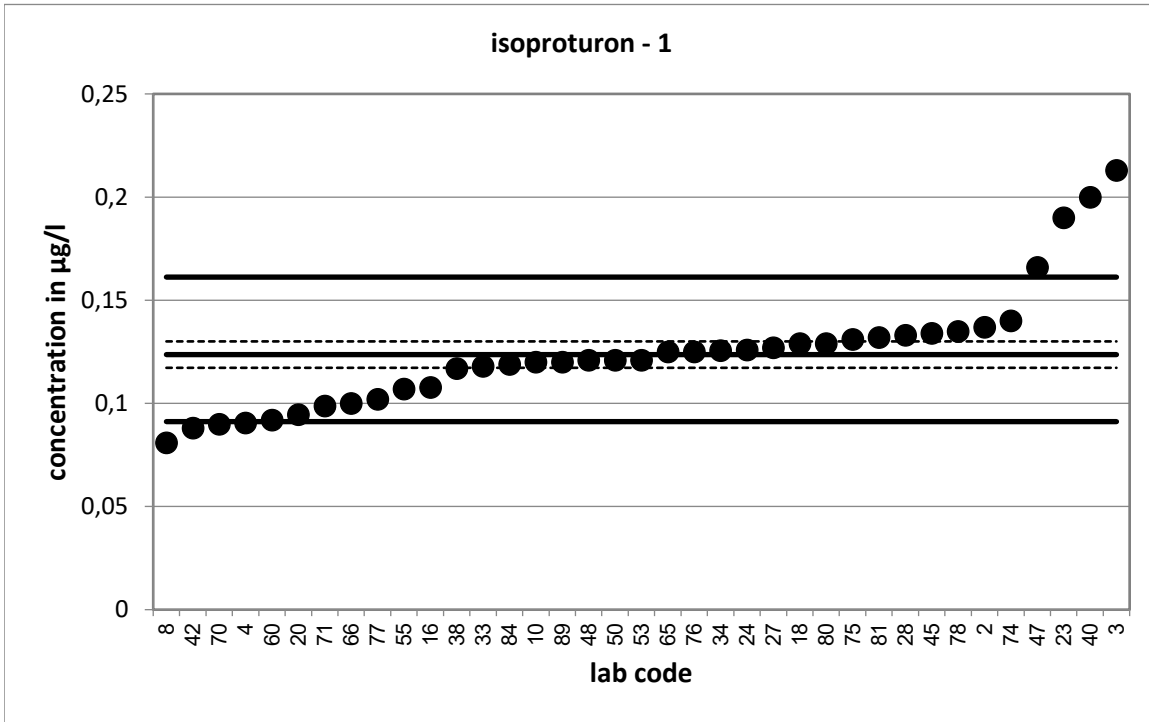


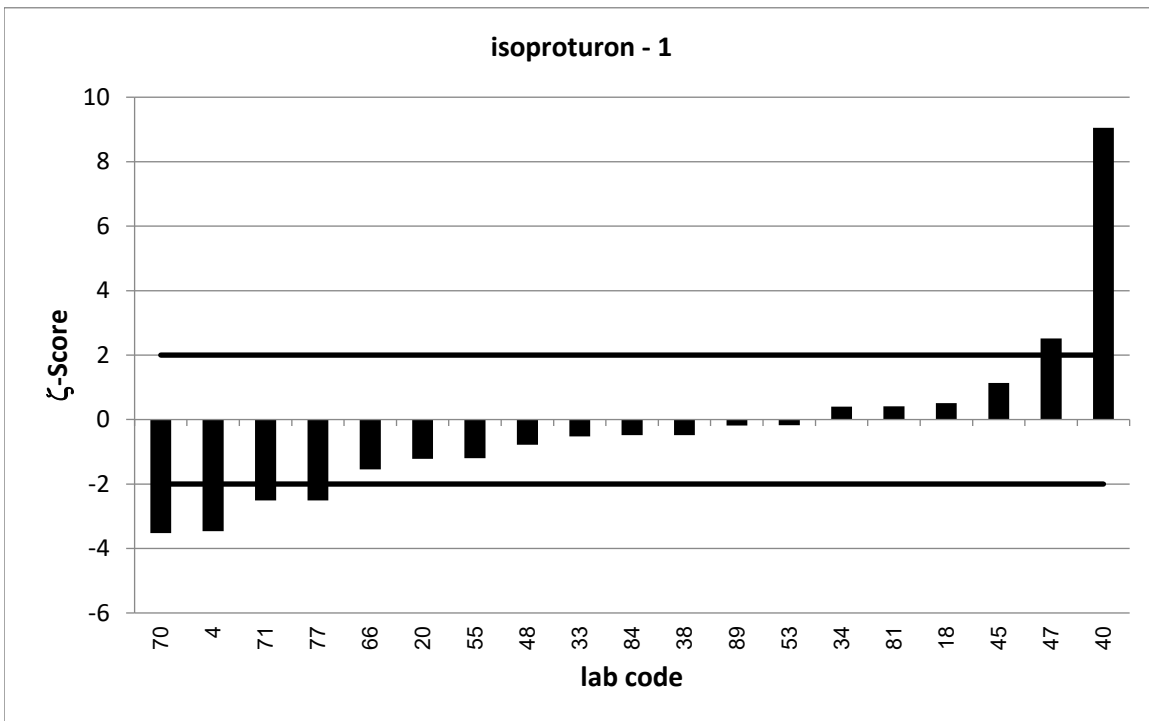
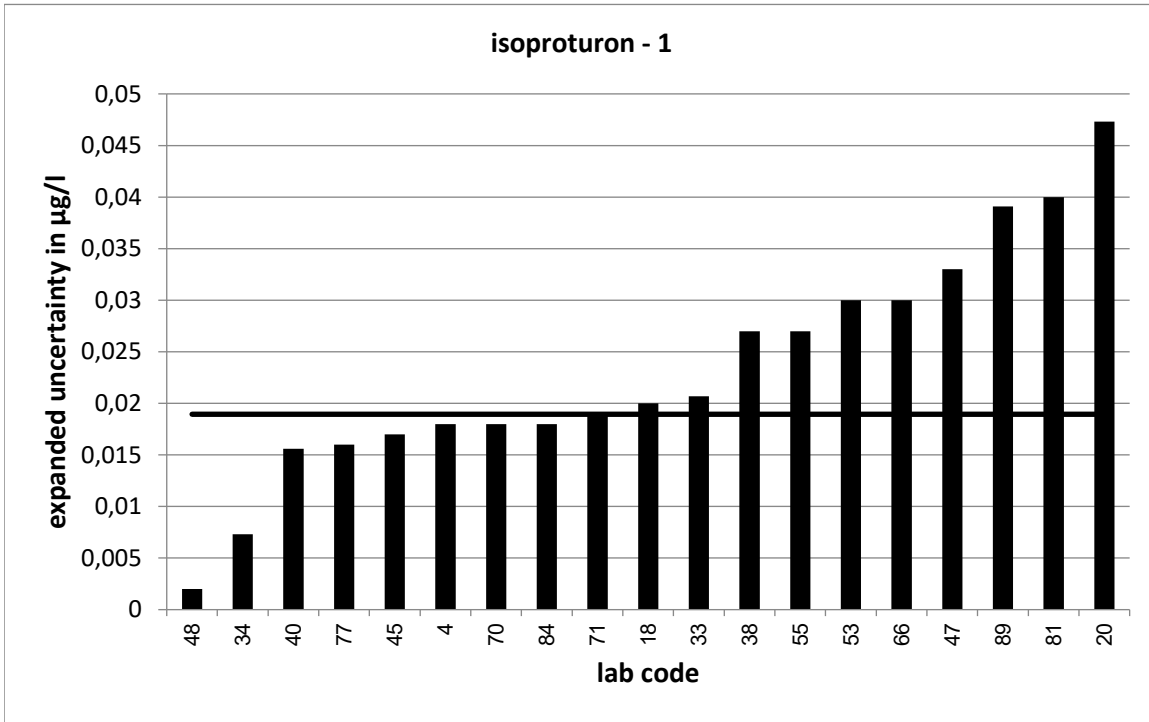


PT 7/20- TW O1		isoproturon - 1			
assigned value [$\mu\text{g/l}$]*		0,1236 \pm 0,0064			
upper tolerance limit [$\mu\text{g/l}$]		0,1612			
lower tolerance limit [$\mu\text{g/l}$]		0,09116			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,137			0,7	s
3	0,213			4,8	u
4	0,0905	0,018	-3,5	-2,0	s
8	0,081			-2,6	q
10	0,12			-0,2	s
16	0,1078			-1,0	s
18	0,129	0,02	0,5	0,3	s
20	0,0946	0,047	-1,2	-1,8	s
23	0,19			3,5	u
24	0,126			0,1	s
27	0,127			0,2	s
28	0,133			0,5	s
33	0,118	0,021	-0,5	-0,3	s
34	0,1256	0,007	0,4	0,1	s
38	0,117	0,027	-0,5	-0,4	s
40	0,2	0,016	9,0	4,1	u
42	0,088			-2,2	q
45	0,134	0,017	1,1	0,6	s
47	0,166	0,033	2,5	2,3	q
48	0,121	0,002	-0,8	-0,2	s
50	0,121			-0,2	s
53	0,121	0,03	-0,2	-0,2	s
55	0,107	0,027	-1,2	-1,0	s
60	0,092			-1,9	s
65	0,125			0,1	s
66	0,1	0,03	-1,5	-1,5	s
70	0,09	0,018	-3,5	-2,1	q
71	0,0987	0,019	-2,5	-1,5	s
74	0,14			0,9	s
75	0,131			0,4	s
76	0,125			0,1	s
77	0,102	0,016	-2,5	-1,3	s
78	0,135			0,6	s
80	0,129			0,3	s
81	0,132	0,04	0,4	0,4	s
84	0,119	0,018	-0,5	-0,3	s
89	0,12	0,039	-0,2	-0,2	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

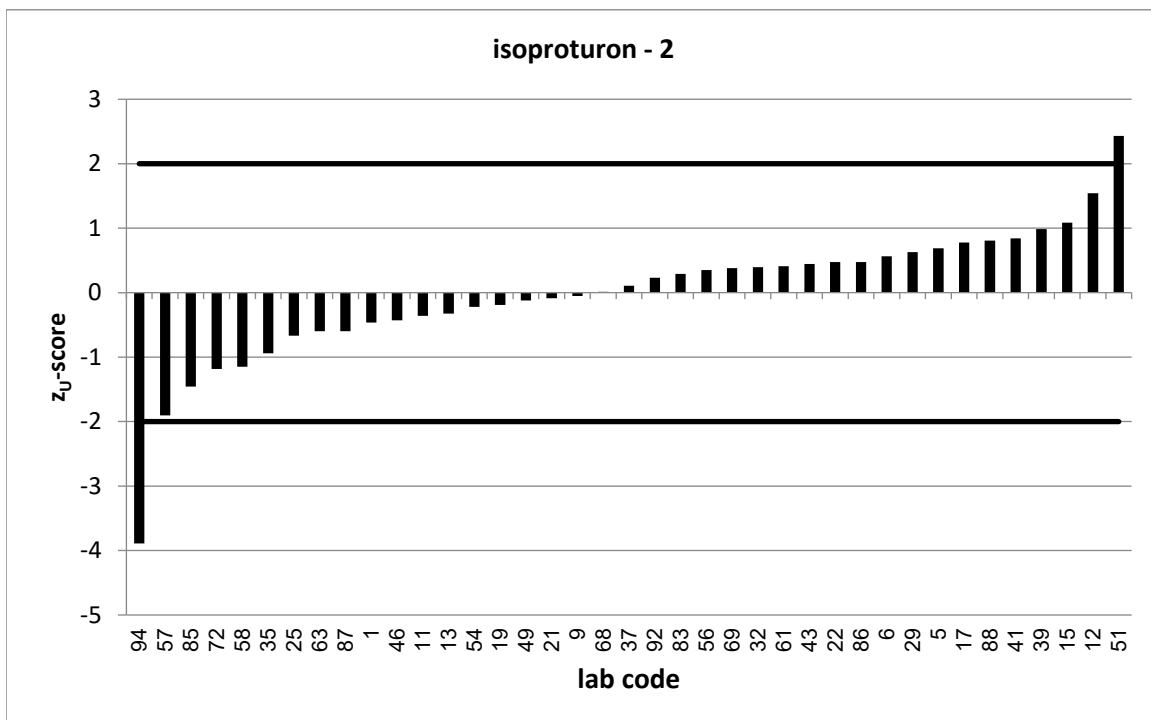
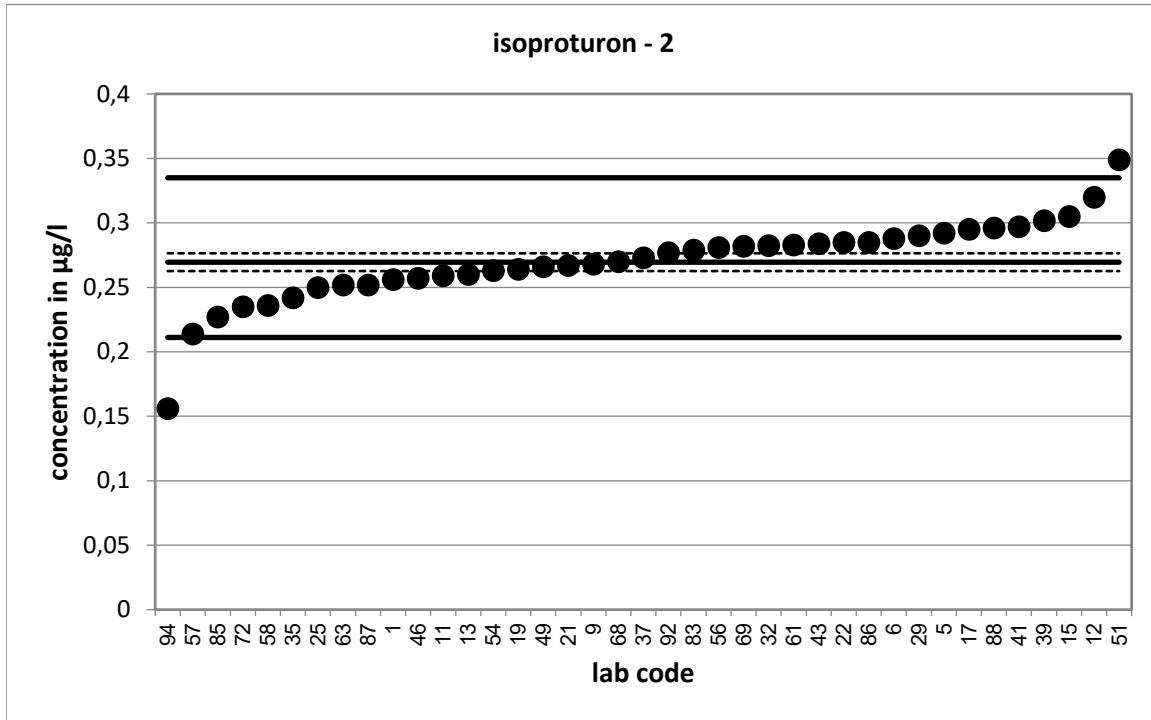


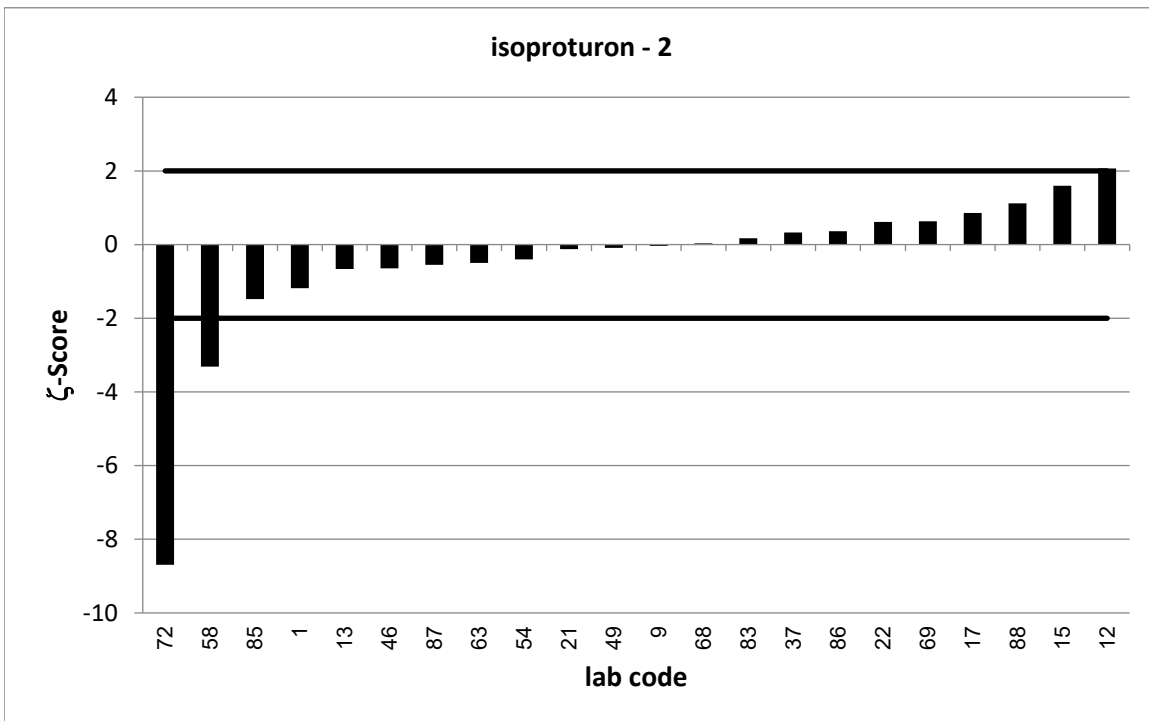
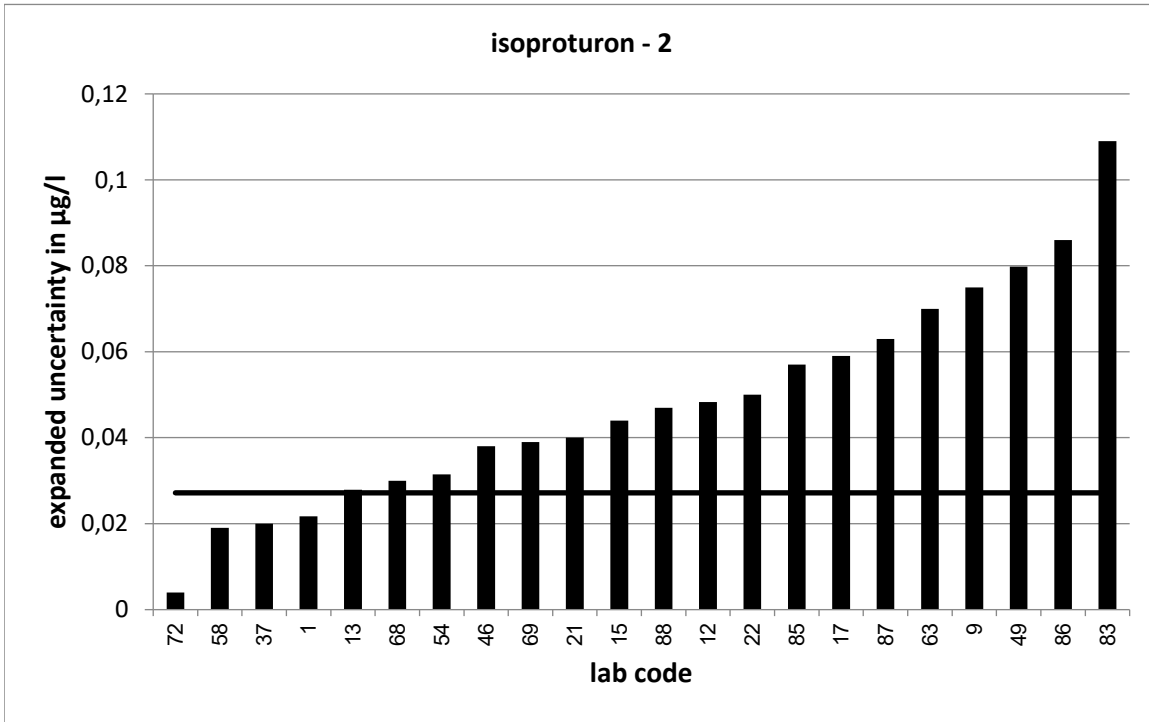


PT 7/20- TW O1		isoproturon - 2			
assigned value [$\mu\text{g/l}$]*		0,2695 \pm 0,0069			
upper tolerance limit [$\mu\text{g/l}$]		0,335			
lower tolerance limit [$\mu\text{g/l}$]		0,2111			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,256	0,022	-1,2	-0,5	s
5	0,292			0,7	s
6	0,288			0,6	s
9	0,268	0,075	0,0	-0,1	s
11	0,259			-0,4	s
12	0,32	0,048	2,1	1,5	s
13	0,26	0,028	-0,7	-0,3	s
15	0,305	0,044	1,6	1,1	s
17	0,295	0,059	0,9	0,8	s
19	0,264			-0,2	s
21	0,267	0,04	-0,1	-0,1	s
22	0,285	0,05	0,6	0,5	s
25	0,25			-0,7	s
29	0,29			0,6	s
32	0,2824			0,4	s
35	0,242			-0,9	s
37	0,273	0,02	0,3	0,1	s
39	0,3017			1,0	s
41	0,297			0,8	s
43	0,284			0,4	s
46	0,257	0,038	-0,6	-0,4	s
49	0,266	0,08	-0,1	-0,1	s
51	0,349			2,4	q
54	0,263	0,032	-0,4	-0,2	s
56	0,281			0,4	s
57	0,214			-1,9	s
58	0,236	0,019	-3,3	-1,1	s
61	0,283			0,4	s
63	0,252	0,07	-0,5	-0,6	s
68	0,27	0,03	0,0	0,0	s
69	0,282	0,039	0,6	0,4	s
72	0,235	0,004	-8,7	-1,2	s
83	0,279	0,109	0,2	0,3	s
85	0,227	0,057	-1,5	-1,5	s
86	0,285	0,086	0,4	0,5	s
87	0,252	0,063	-0,6	-0,6	s
88	0,296	0,047	1,1	0,8	s
92	0,277			0,2	s
94	0,156			-3,9	u

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

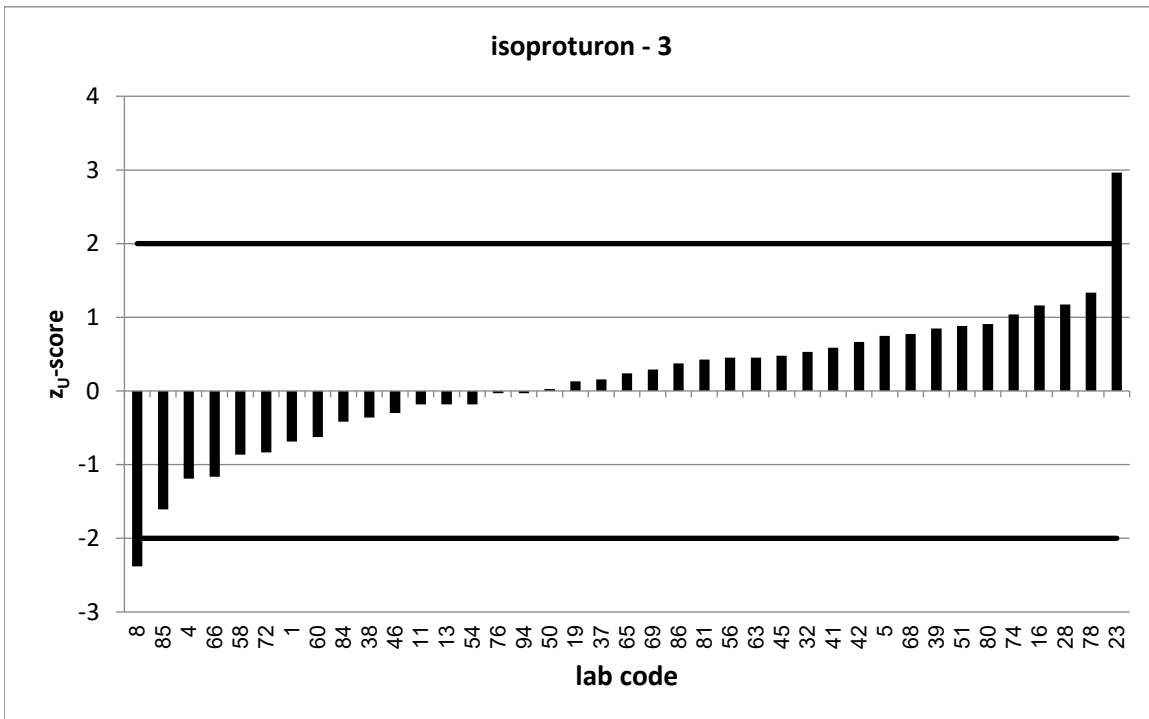
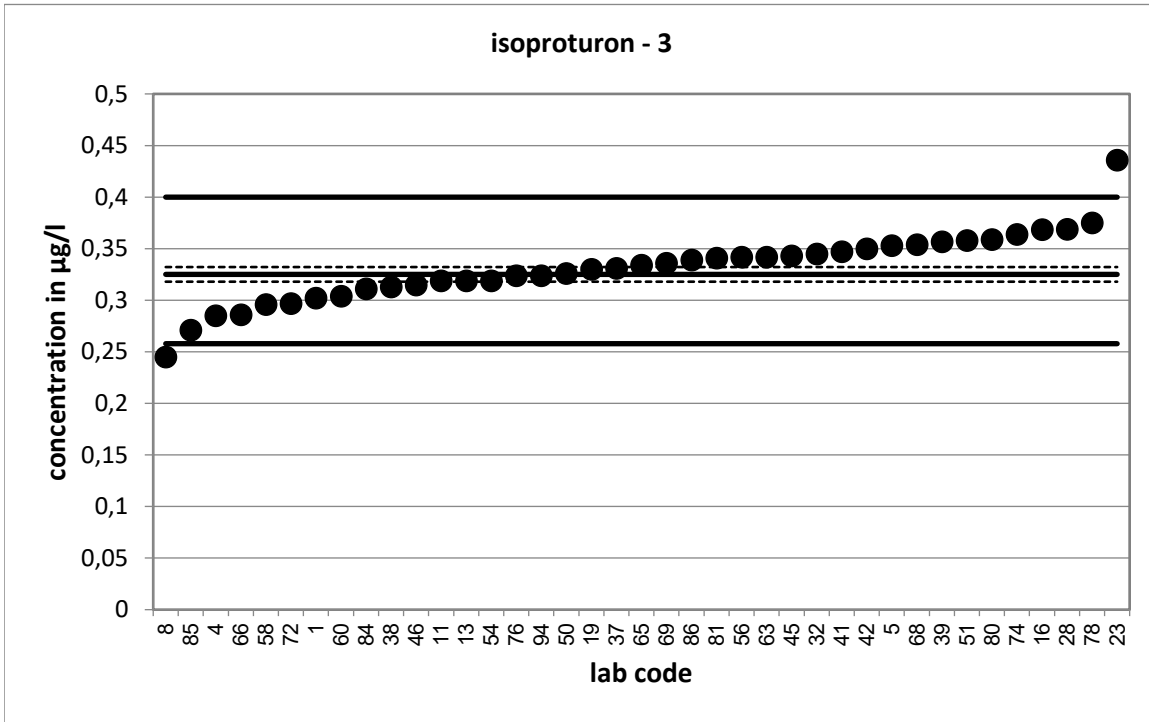


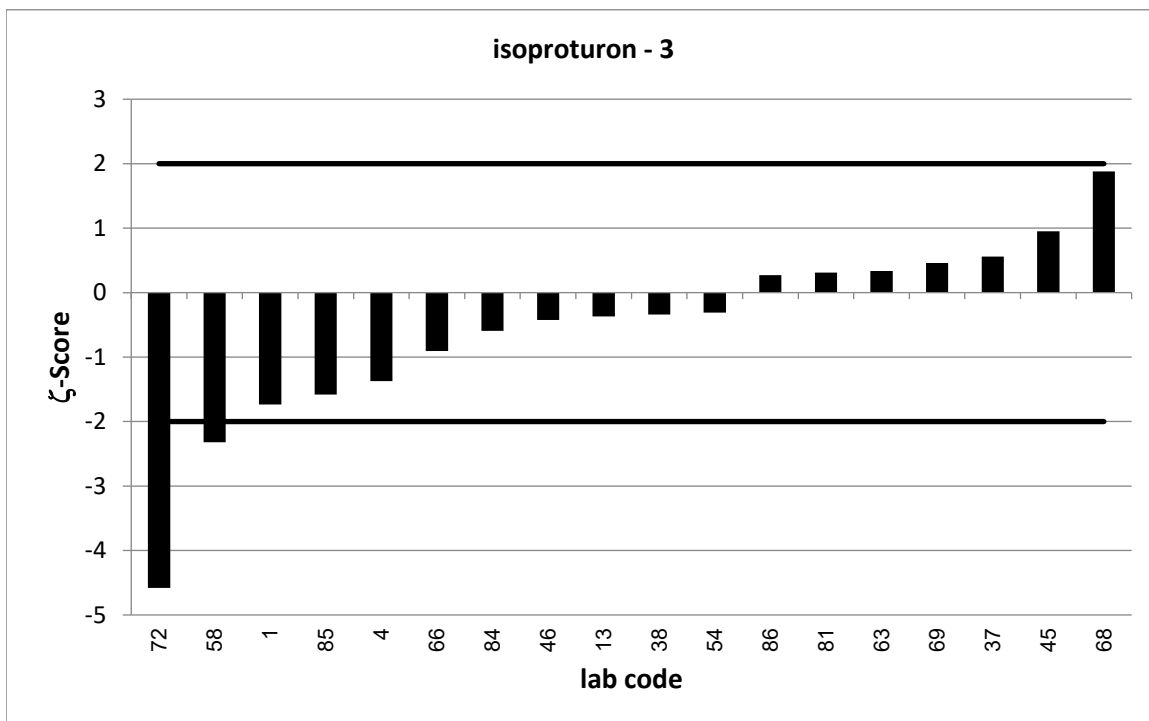
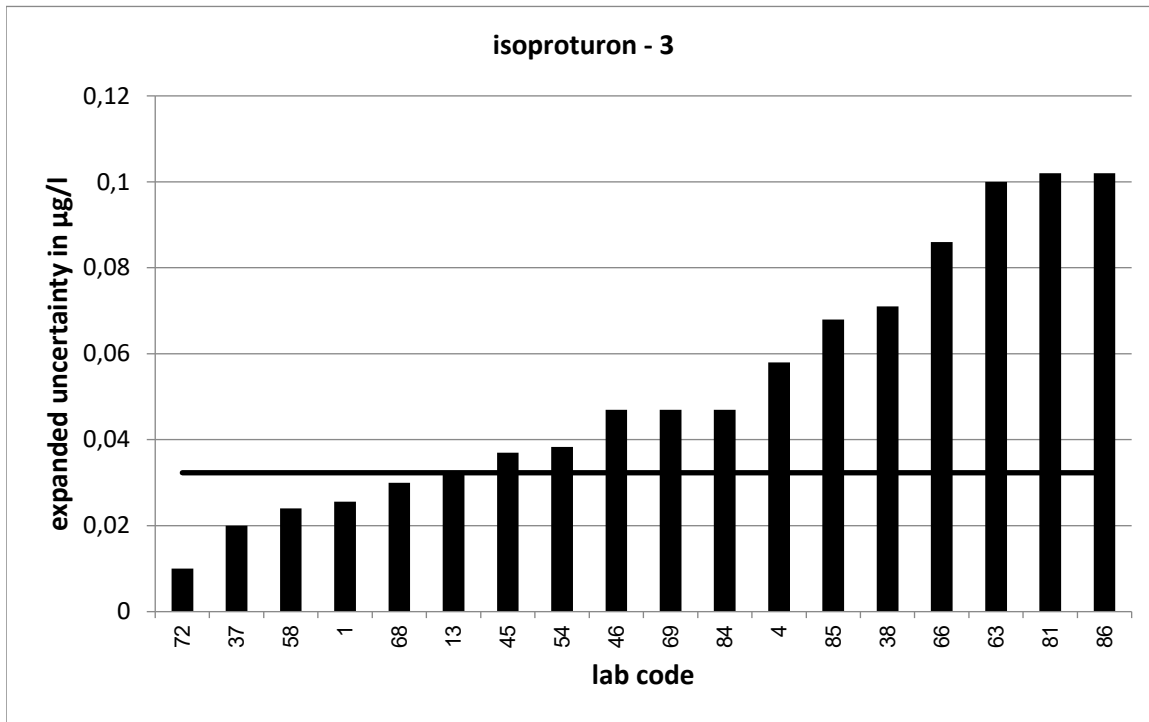


PT 7/20- TW O1		isoproturon - 3			
assigned value [$\mu\text{g/l}$]*		0,3251 \pm 0,0071			
upper tolerance limit [$\mu\text{g/l}$]		0,3999			
lower tolerance limit [$\mu\text{g/l}$]		0,2579			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,302	0,026	-1,7	-0,7	s
4	0,285	0,058	-1,4	-1,2	s
5	0,353			0,7	s
8	0,245			-2,4	q
11	0,319			-0,2	s
13	0,319	0,032	-0,4	-0,2	s
16	0,3685			1,2	s
19	0,33			0,1	s
23	0,436			3,0	u
28	0,369			1,2	s
32	0,3449			0,5	s
37	0,331	0,02	0,6	0,2	s
38	0,313	0,071	-0,3	-0,4	s
39	0,3568			0,8	s
41	0,347			0,6	s
42	0,35			0,7	s
45	0,343	0,037	1,0	0,5	s
46	0,315	0,047	-0,4	-0,3	s
50	0,326			0,0	s
51	0,358			0,9	s
54	0,319	0,038	-0,3	-0,2	s
56	0,342			0,5	s
58	0,296	0,024	-2,3	-0,9	s
60	0,304			-0,6	s
63	0,342	0,1	0,3	0,5	s
65	0,334			0,2	s
66	0,286	0,086	-0,9	-1,2	s
68	0,354	0,03	1,9	0,8	s
69	0,336	0,047	0,5	0,3	s
72	0,297	0,01	-4,6	-0,8	s
74	0,364			1,0	s
76	0,324			0,0	s
78	0,375			1,3	s
80	0,359			0,9	s
81	0,341	0,102	0,3	0,4	s
84	0,311	0,047	-0,6	-0,4	s
85	0,271	0,068	-1,6	-1,6	s
86	0,339	0,102	0,3	0,4	s
94	0,324			0,0	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

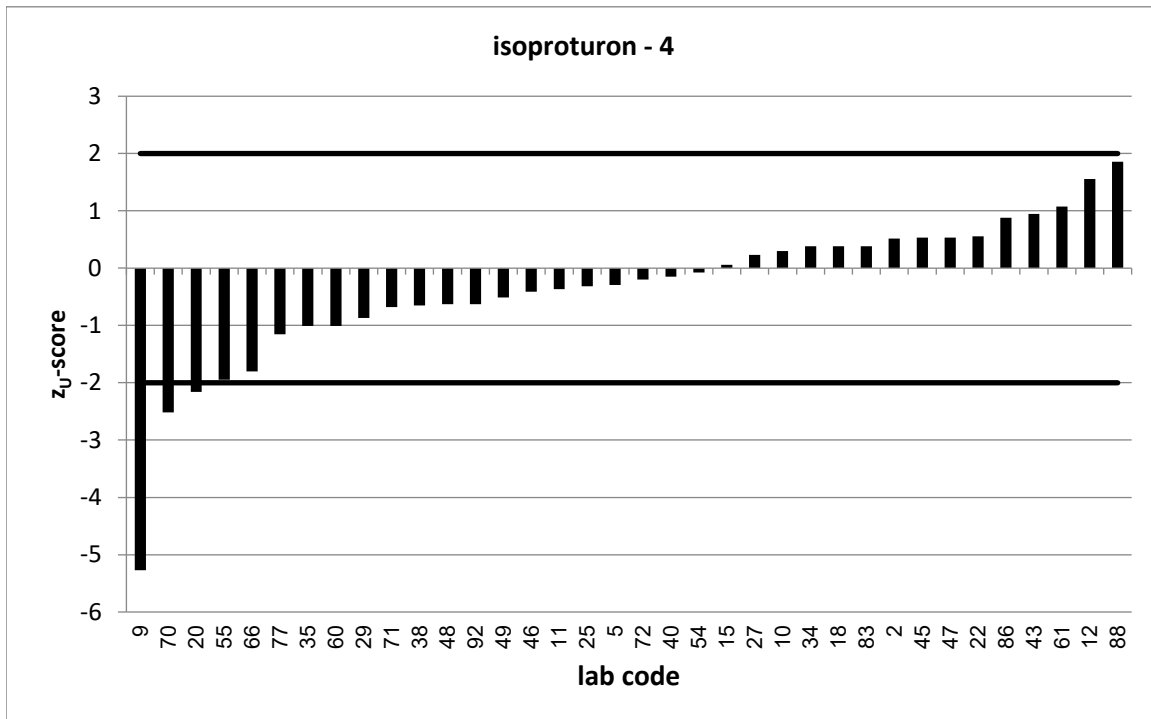
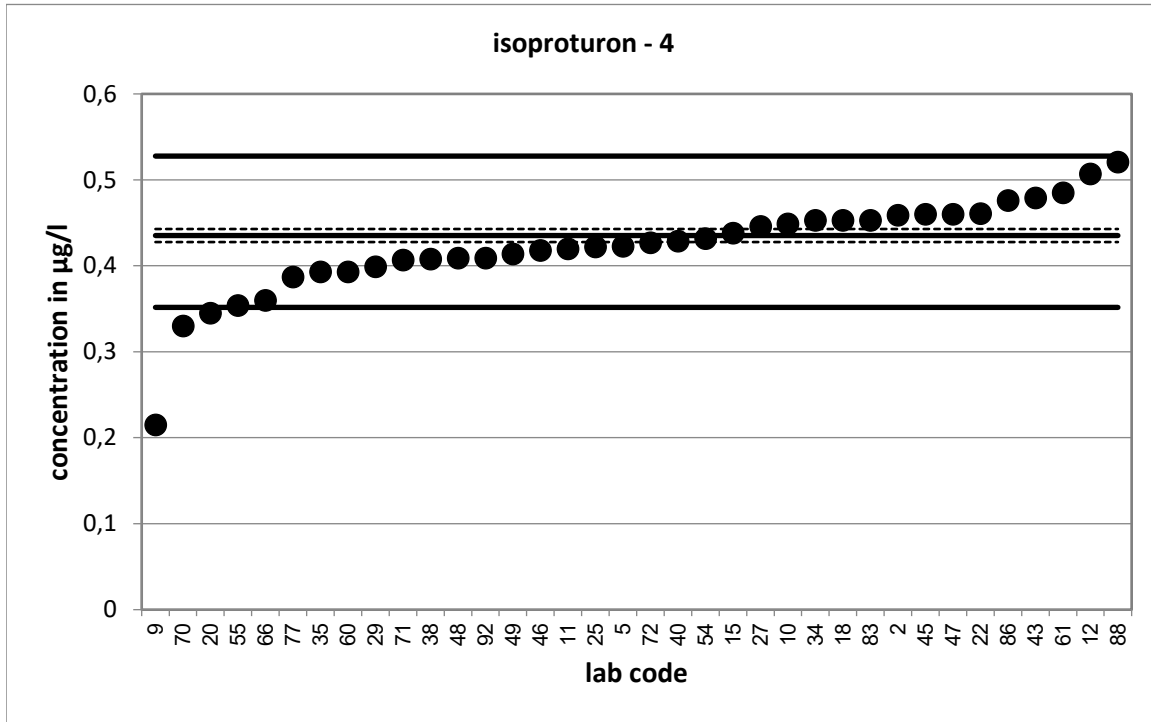


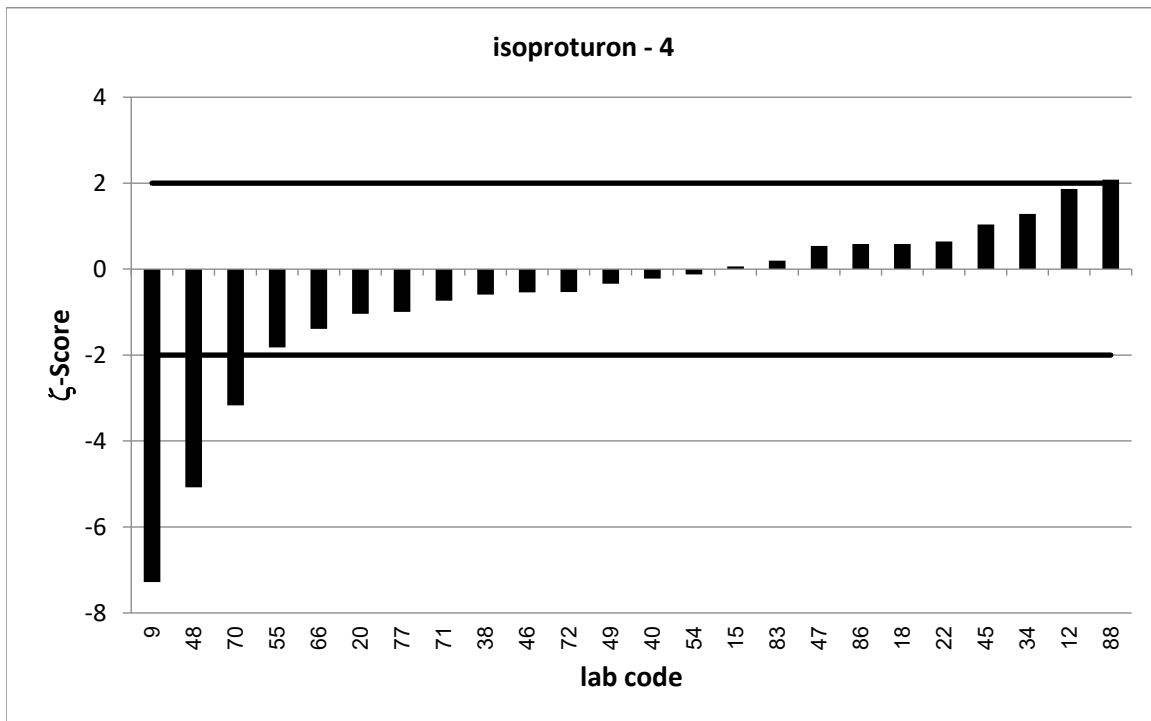
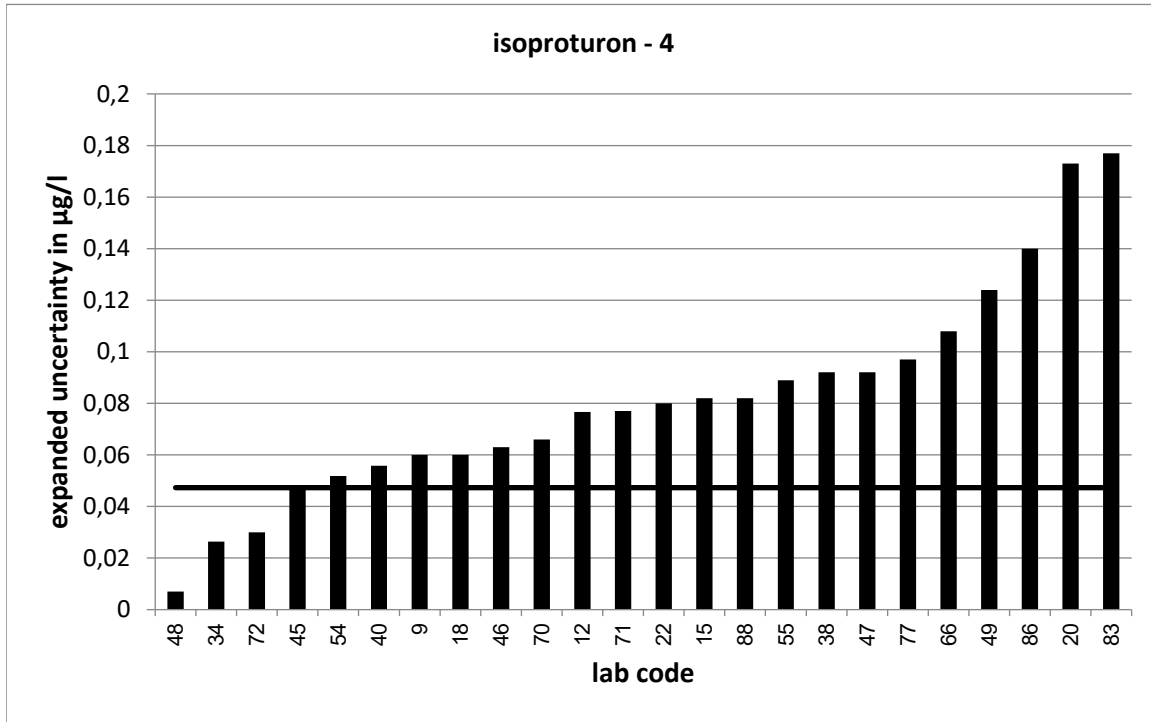


PT 7/20- TW O1		isoproturon - 4			
assigned value [$\mu\text{g/l}$]*		0,4353 \pm 0,0076			
upper tolerance limit [$\mu\text{g/l}$]		0,5277			
lower tolerance limit [$\mu\text{g/l}$]		0,3517			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,459			0,5	s
5	0,423			-0,3	s
9	0,215	0,06	-7,3	-5,3	u
10	0,449			0,3	s
11	0,42			-0,4	s
12	0,507	0,077	1,9	1,6	s
15	0,438	0,082	0,1	0,1	s
18	0,453	0,06	0,6	0,4	s
20	0,345	0,173	-1,0	-2,2	q
22	0,461	0,08	0,6	0,6	s
25	0,422			-0,3	s
27	0,446			0,2	s
29	0,399			-0,9	s
34	0,4529	0,026	1,3	0,4	s
35	0,393			-1,0	s
38	0,408	0,092	-0,6	-0,7	s
40	0,429	0,056	-0,2	-0,1	s
43	0,479			0,9	s
45	0,46	0,047	1,0	0,5	s
46	0,418	0,063	-0,5	-0,4	s
47	0,46	0,092	0,5	0,5	s
48	0,409	0,007	-5,1	-0,6	s
49	0,414	0,124	-0,3	-0,5	s
54	0,432	0,052	-0,1	-0,1	s
55	0,354	0,089	-1,8	-1,9	s
60	0,393			-1,0	s
61	0,485			1,1	s
66	0,36	0,108	-1,4	-1,8	s
70	0,33	0,066	-3,2	-2,5	q
71	0,407	0,077	-0,7	-0,7	s
72	0,427	0,03	-0,5	-0,2	s
77	0,387	0,097	-1,0	-1,2	s
83	0,453	0,177	0,2	0,4	s
86	0,476	0,14	0,6	0,9	s
88	0,521	0,082	2,1	1,9	s
92	0,409			-0,6	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

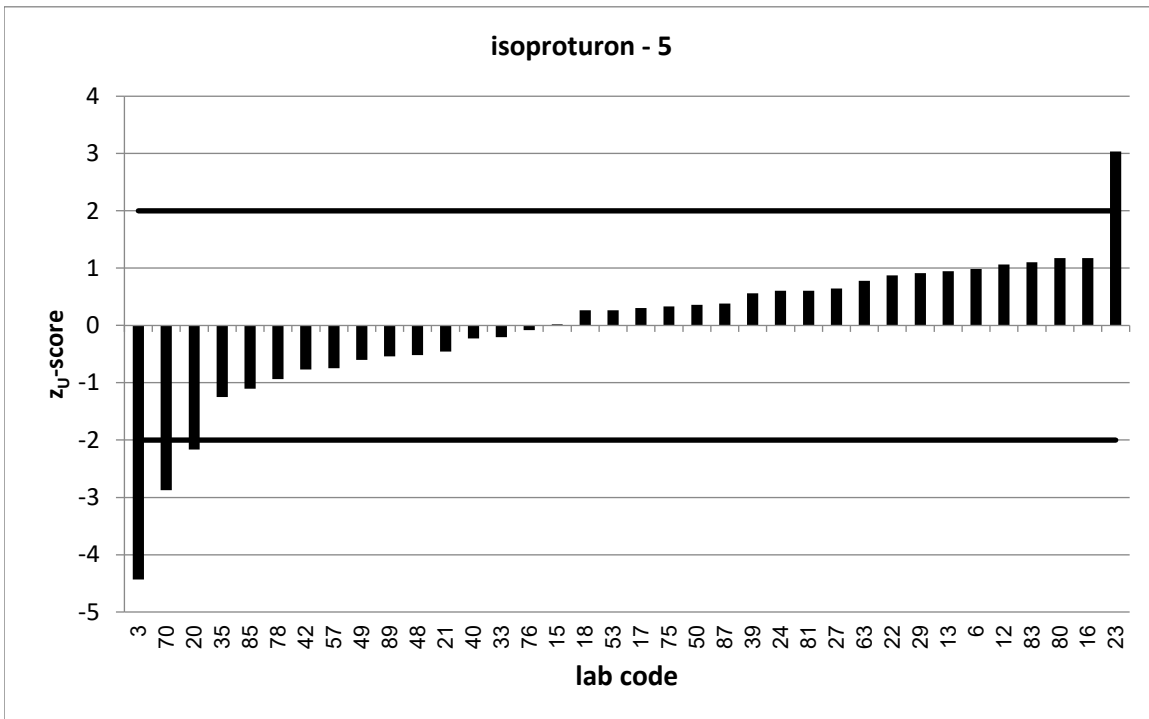
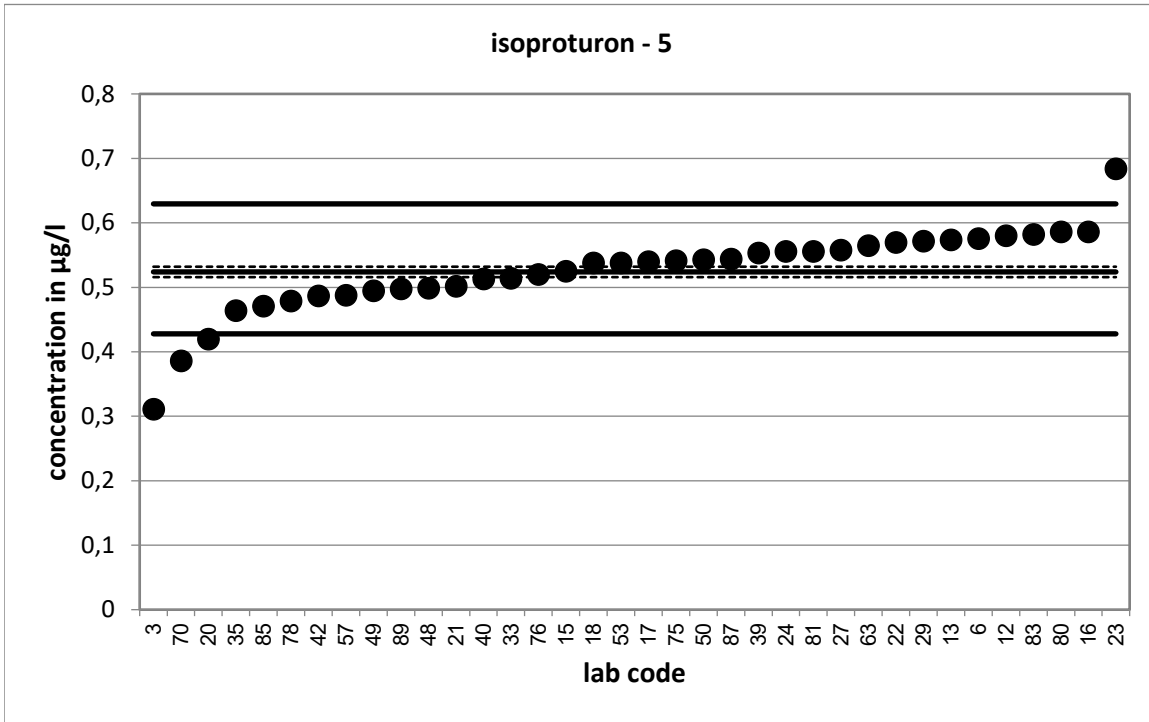


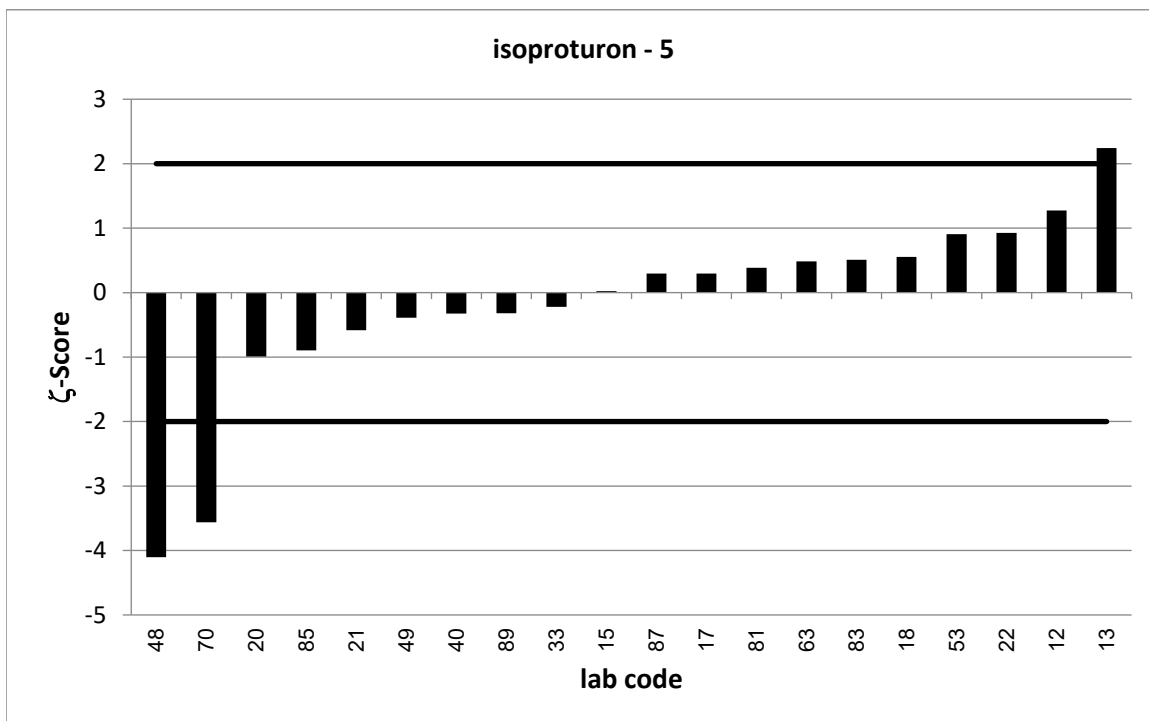
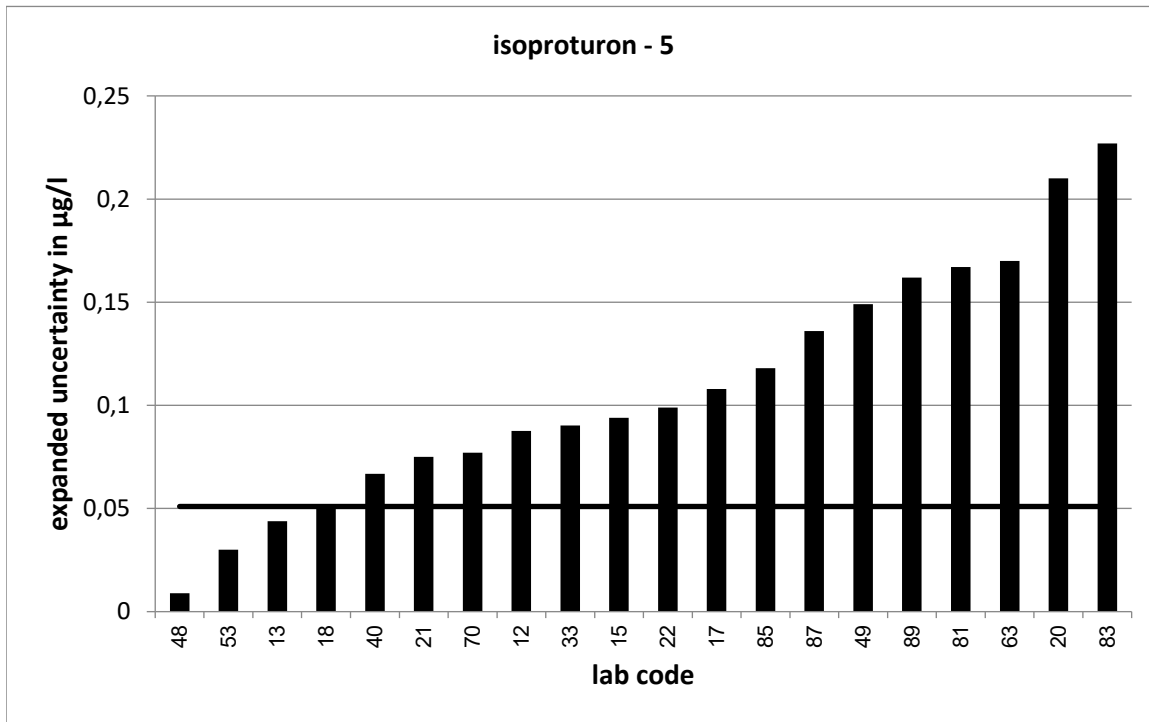


PT 7/20- TW O1		isoproturon - 5			
assigned value [$\mu\text{g/l}$]*		0,5239 \pm 0,0081			
upper tolerance limit [$\mu\text{g/l}$]		0,6295			
lower tolerance limit [$\mu\text{g/l}$]		0,4279			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
3	0,311			-4,4	u
6	0,576			1,0	s
12	0,58	0,088	1,3	1,1	s
13	0,574	0,044	2,2	0,9	s
15	0,525	0,094	0,0	0,0	s
16	0,5861			1,2	s
17	0,54	0,108	0,3	0,3	s
18	0,538	0,05	0,6	0,3	s
20	0,42	0,21	-1,0	-2,2	q
21	0,502	0,075	-0,6	-0,5	s
22	0,57	0,099	0,9	0,9	s
23	0,684			3,0	u
24	0,556			0,6	s
27	0,558			0,6	s
29	0,572			0,9	s
33	0,514	0,09	-0,2	-0,2	s
35	0,464			-1,2	s
39	0,5534			0,6	s
40	0,513	0,067	-0,3	-0,2	s
42	0,487			-0,8	s
48	0,499	0,009	-4,1	-0,5	s
49	0,495	0,149	-0,4	-0,6	s
50	0,543			0,4	s
53	0,538	0,03	0,9	0,3	s
57	0,488			-0,7	s
63	0,565	0,17	0,5	0,8	s
70	0,386	0,077	-3,6	-2,9	q
75	0,5415			0,3	s
76	0,52			-0,1	s
78	0,479			-0,9	s
80	0,586			1,2	s
81	0,556	0,167	0,4	0,6	s
83	0,582	0,227	0,5	1,1	s
85	0,471	0,118	-0,9	-1,1	s
87	0,544	0,136	0,3	0,4	s
89	0,498	0,162	-0,3	-0,5	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

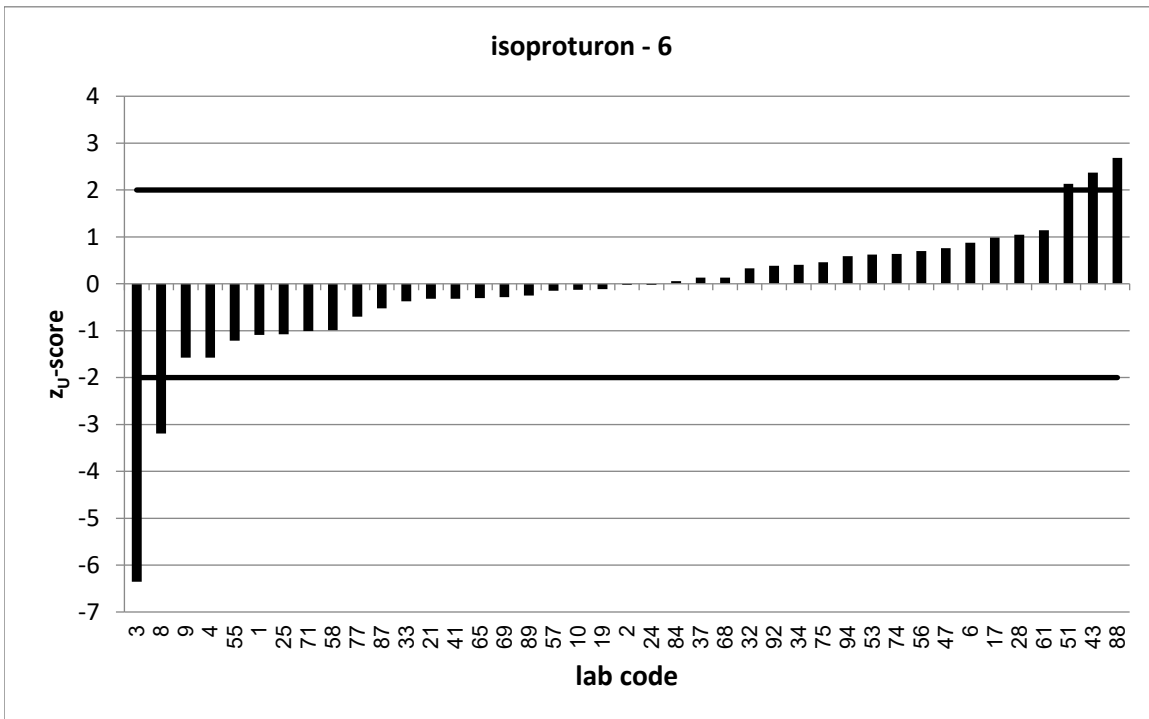
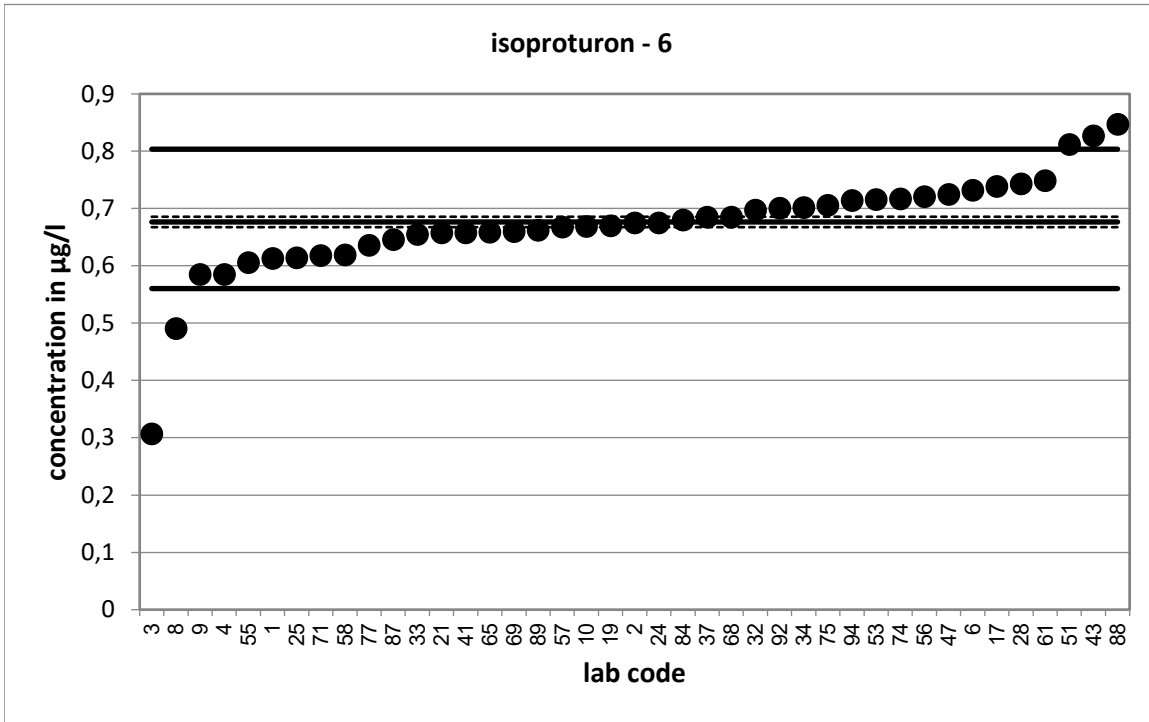


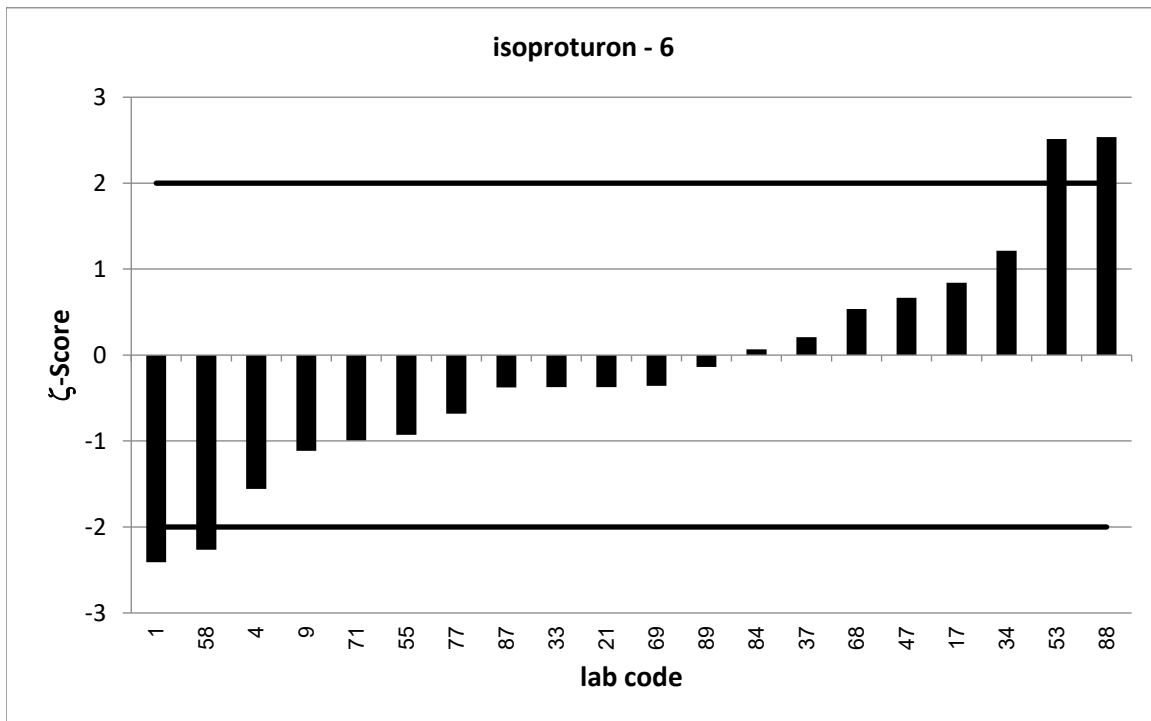
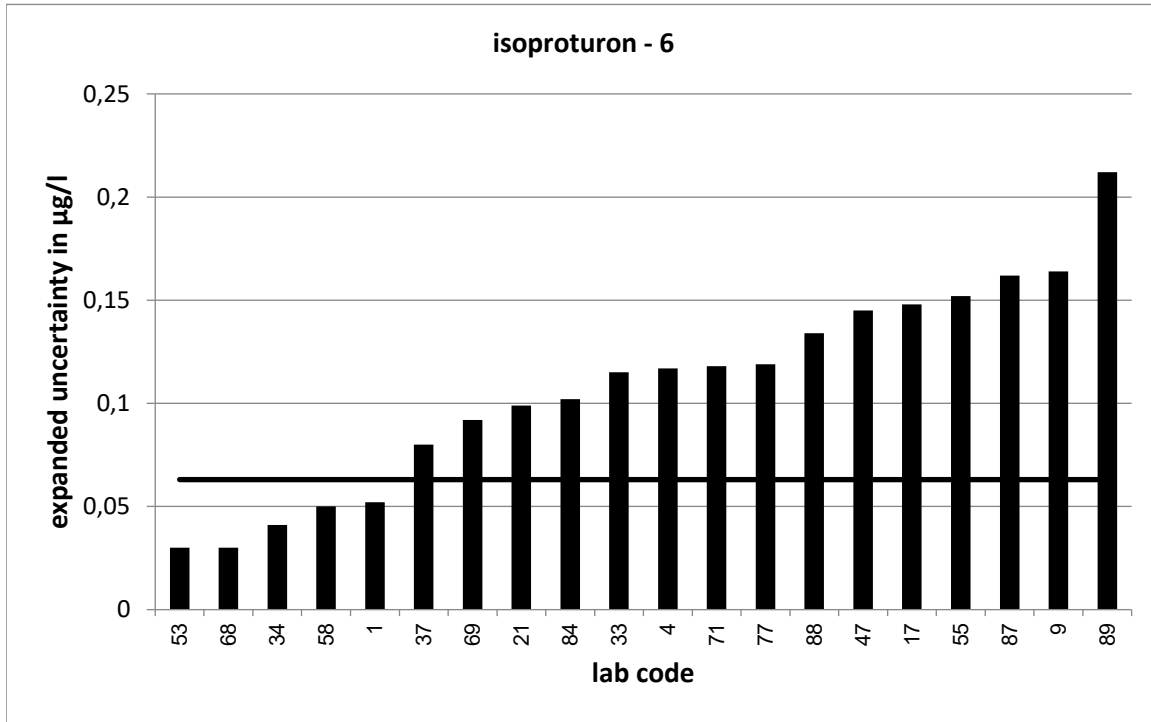


PT 7/20- TW O1		isoproturon - 6			
assigned value [$\mu\text{g/l}$]*		0,6766 \pm 0,0091			
upper tolerance limit [$\mu\text{g/l}$]		0,8035			
lower tolerance limit [$\mu\text{g/l}$]		0,5603			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,613	0,052	-2,4	-1,1	s
2	0,675			0,0	s
3	0,307			-6,4	u
4	0,5852	0,117	-1,6	-1,6	s
6	0,732			0,9	s
8	0,491			-3,2	u
9	0,585	0,164	-1,1	-1,6	s
10	0,669			-0,1	s
17	0,739	0,148	0,8	1,0	s
19	0,67			-0,1	s
21	0,658	0,099	-0,4	-0,3	s
24	0,675			0,0	s
25	0,614			-1,1	s
28	0,743			1,0	s
32	0,6975			0,3	s
33	0,655	0,115	-0,4	-0,4	s
34	0,7021	0,041	1,2	0,4	s
37	0,685	0,08	0,2	0,1	s
41	0,658			-0,3	s
43	0,827			2,4	q
47	0,725	0,145	0,7	0,8	s
51	0,812			2,1	q
53	0,716	0,03	2,5	0,6	s
55	0,606	0,152	-0,9	-1,2	s
56	0,721			0,7	s
57	0,668			-0,1	s
58	0,619	0,05	-2,3	-1,0	s
61	0,749			1,1	s
65	0,659			-0,3	s
68	0,685	0,03	0,5	0,1	s
69	0,66	0,092	-0,4	-0,3	s
71	0,618	0,118	-1,0	-1,0	s
74	0,717			0,6	s
75	0,7057			0,5	s
77	0,636	0,119	-0,7	-0,7	s
84	0,68	0,102	0,1	0,1	s
87	0,646	0,162	-0,4	-0,5	s
88	0,847	0,134	2,5	2,7	q
89	0,662	0,212	-0,1	-0,3	s
92	0,701			0,4	s
94	0,714			0,6	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

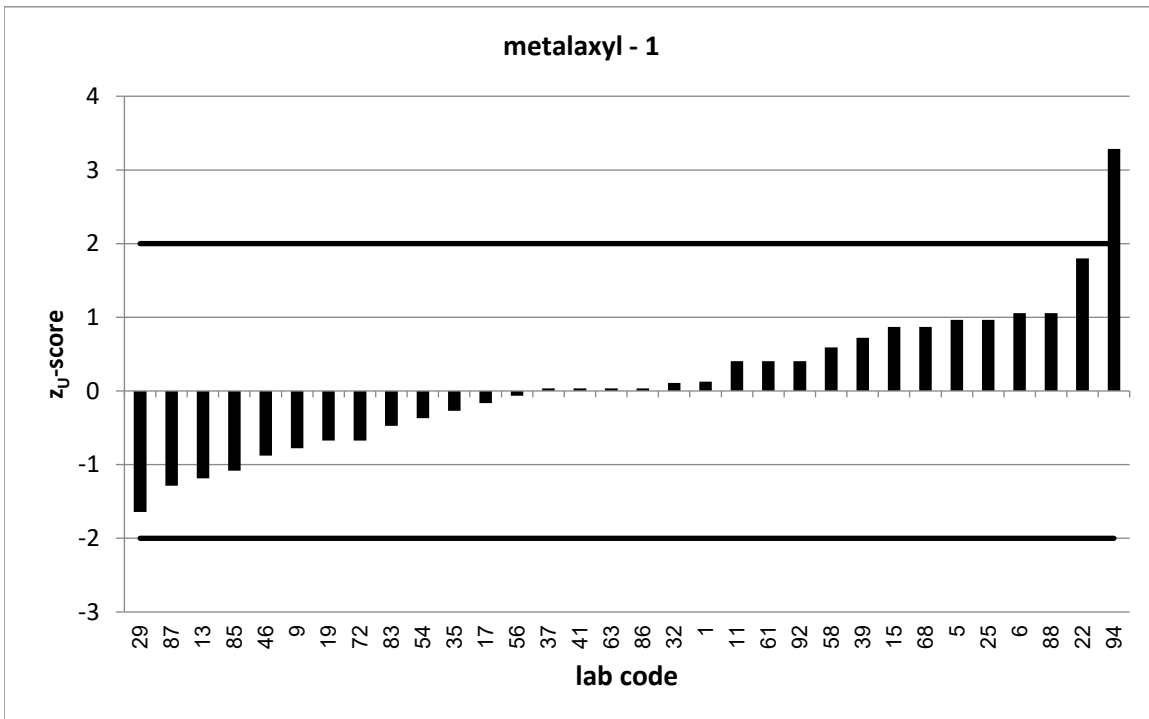
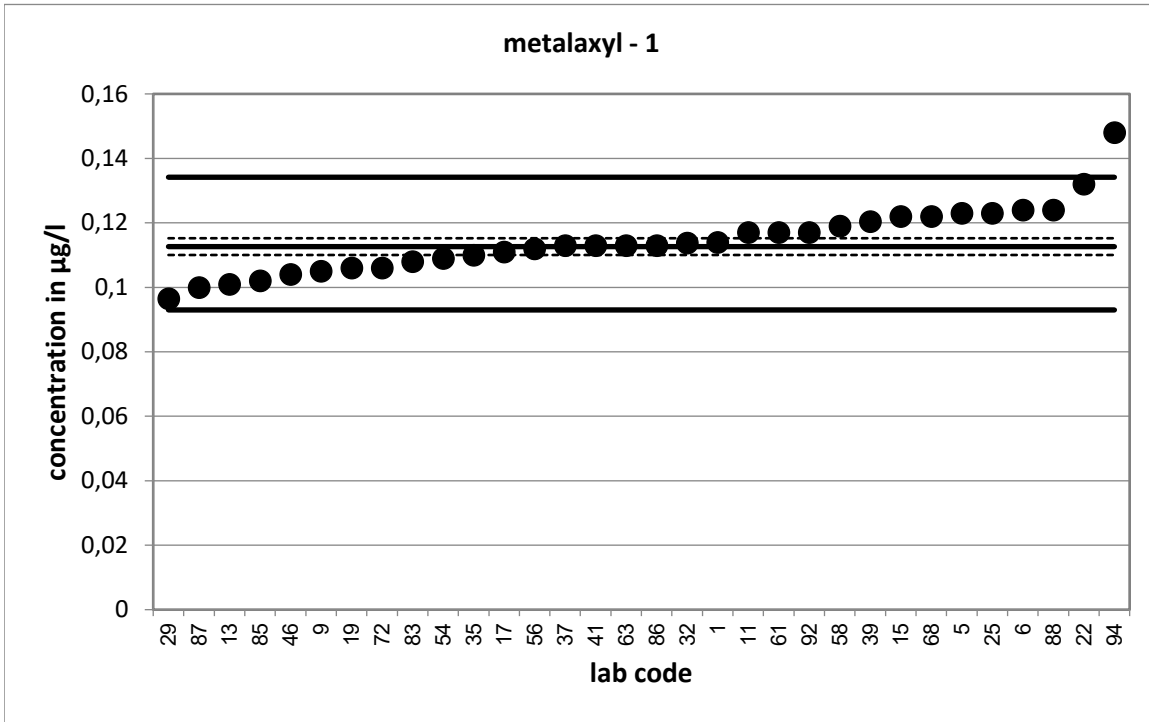


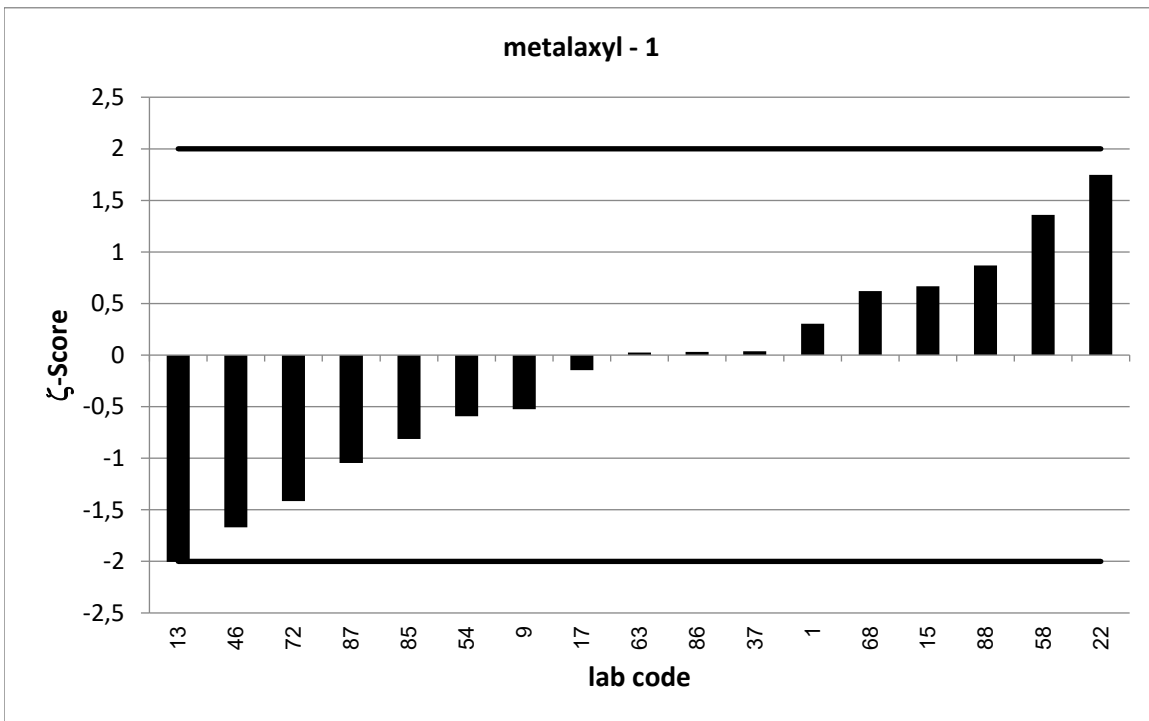
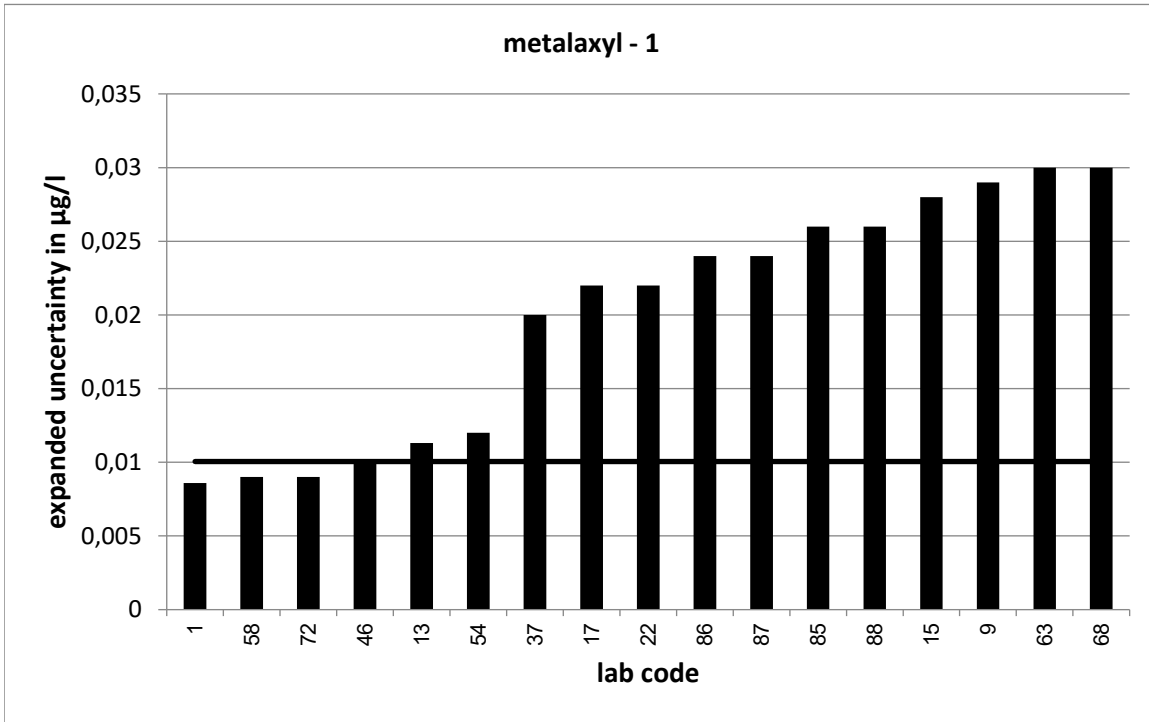


PT 7/20- TW O1		metalaxyl - 1			
assigned value [$\mu\text{g/l}$]*		0,1126 \pm 0,0026			
upper tolerance limit [$\mu\text{g/l}$]		0,1342			
lower tolerance limit [$\mu\text{g/l}$]		0,09298			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,114	0,009	0,3	0,1	s
5	0,123			1,0	s
6	0,124			1,1	s
9	0,105	0,029	-0,5	-0,8	s
11	0,117			0,4	s
13	0,101	0,011	-2,0	-1,2	s
15	0,122	0,028	0,7	0,9	s
17	0,111	0,022	-0,1	-0,2	s
19	0,106			-0,7	s
22	0,132	0,022	1,7	1,8	s
25	0,123			1,0	s
29	0,0965			-1,6	s
32	0,1138			0,1	s
35	0,11			-0,3	s
37	0,113	0,02	0,0	0,0	s
39	0,1204			0,7	s
41	0,113			0,0	s
46	0,104	0,01	-1,7	-0,9	s
54	0,109	0,012	-0,6	-0,4	s
56	0,112			-0,1	s
58	0,119	0,009	1,4	0,6	s
61	0,117			0,4	s
63	0,113	0,03	0,0	0,0	s
68	0,122	0,03	0,6	0,9	s
72	0,106	0,009	-1,4	-0,7	s
83	0,108			-0,5	s
85	0,102	0,026	-0,8	-1,1	s
86	0,113	0,024	0,0	0,0	s
87	0,1	0,024	-1,0	-1,3	s
88	0,124	0,026	0,9	1,1	s
92	0,117			0,4	s
94	0,148			3,3	u

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

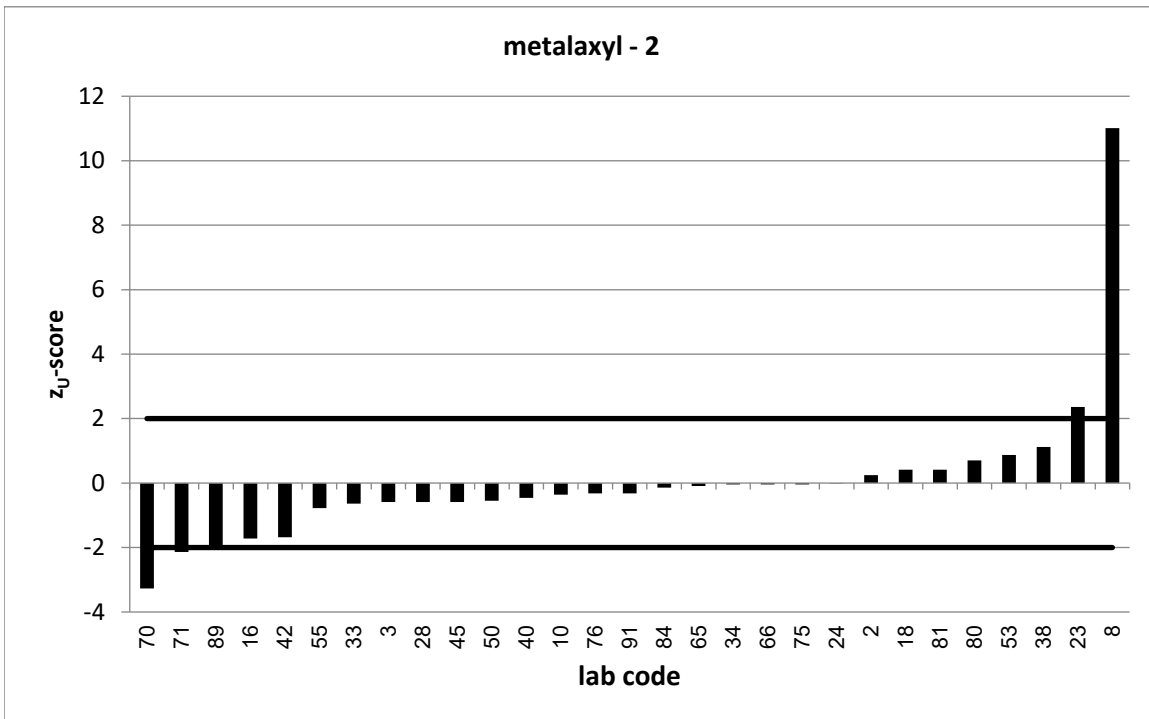
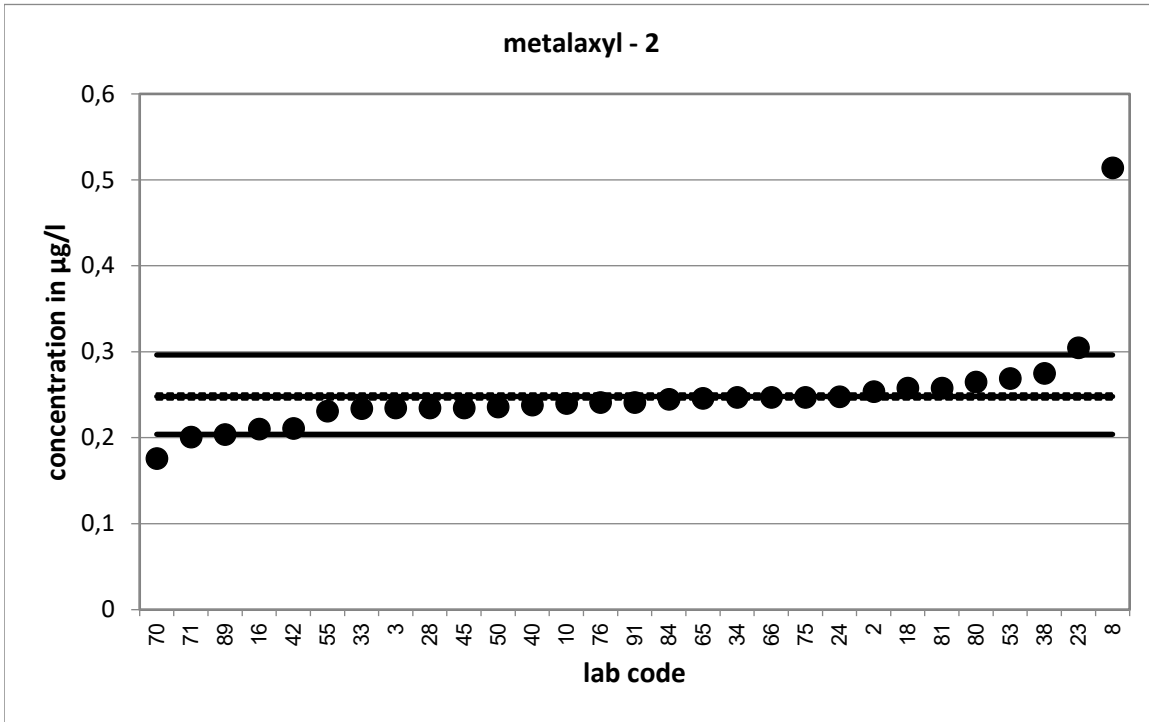


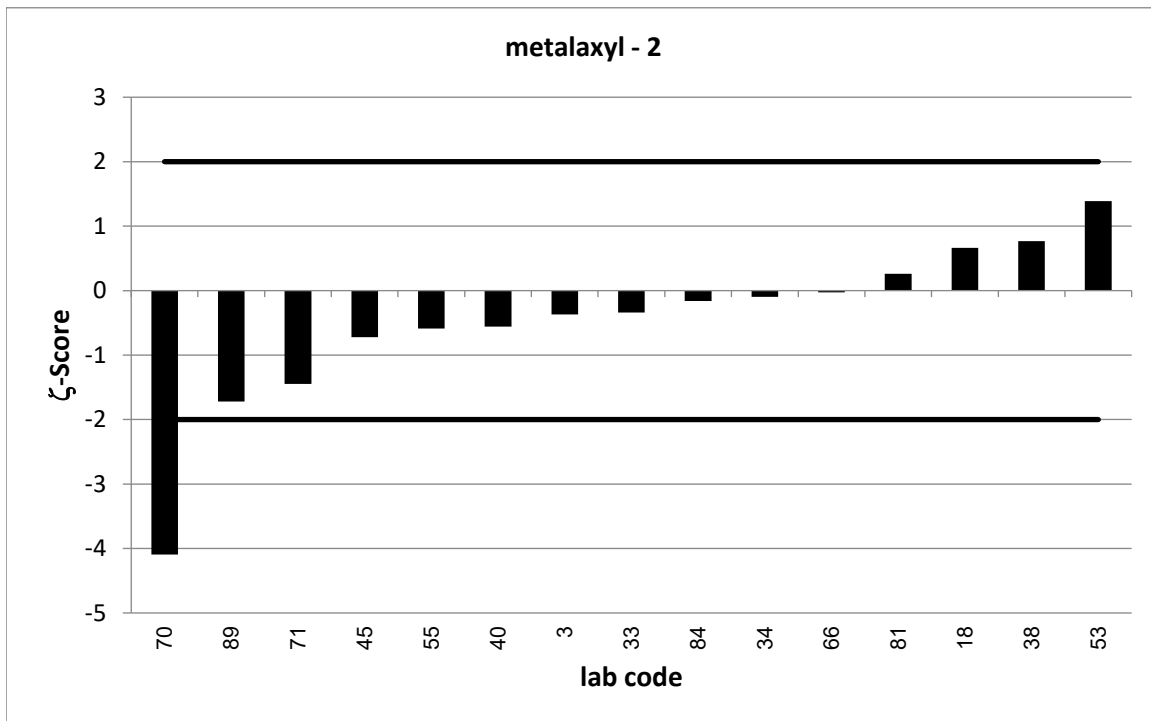
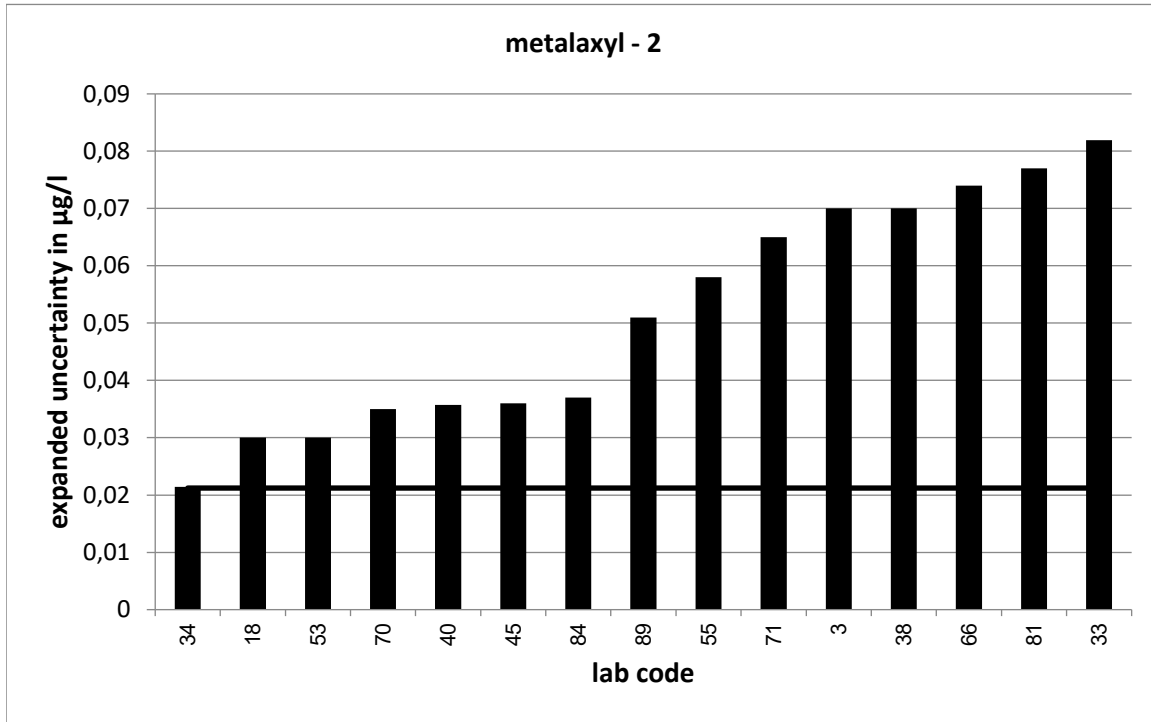


PT 7/20- TW O1		metalaxyl - 2			
assigned value [$\mu\text{g/l}$]*		0,248 \pm 0,0034			
upper tolerance limit [$\mu\text{g/l}$]		0,2963			
lower tolerance limit [$\mu\text{g/l}$]		0,204			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,254			0,2	s
3	0,235	0,07	-0,4	-0,6	s
8	0,514			11,0	u
10	0,24			-0,4	s
16	0,2101			-1,7	s
18	0,258	0,03	0,7	0,4	s
23	0,305			2,4	q
24	0,248			0,0	s
28	0,235			-0,6	s
33	0,234	0,082	-0,3	-0,6	s
34	0,247	0,021	-0,1	0,0	s
38	0,275	0,07	0,8	1,1	s
40	0,238	0,036	-0,6	-0,5	s
42	0,211			-1,7	s
45	0,235	0,036	-0,7	-0,6	s
50	0,236			-0,5	s
53	0,269	0,03	1,4	0,9	s
55	0,231	0,058	-0,6	-0,8	s
65	0,246			-0,1	s
66	0,247	0,074	0,0	0,0	s
70	0,176	0,035	-4,1	-3,3	u
71	0,201	0,065	-1,4	-2,1	q
75	0,247			0,0	s
76	0,241			-0,3	s
80	0,265			0,7	s
81	0,258	0,077	0,3	0,4	s
84	0,245	0,037	-0,2	-0,1	s
89	0,204	0,051	-1,7	-2,0	s
91	0,241			-0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

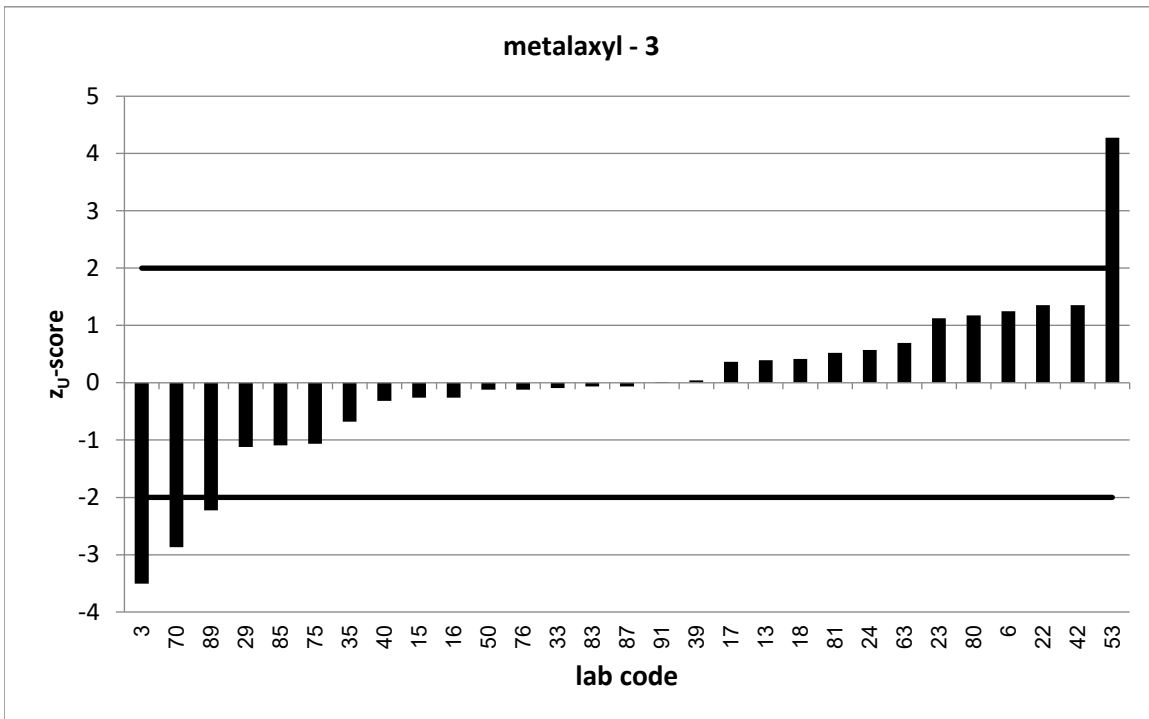
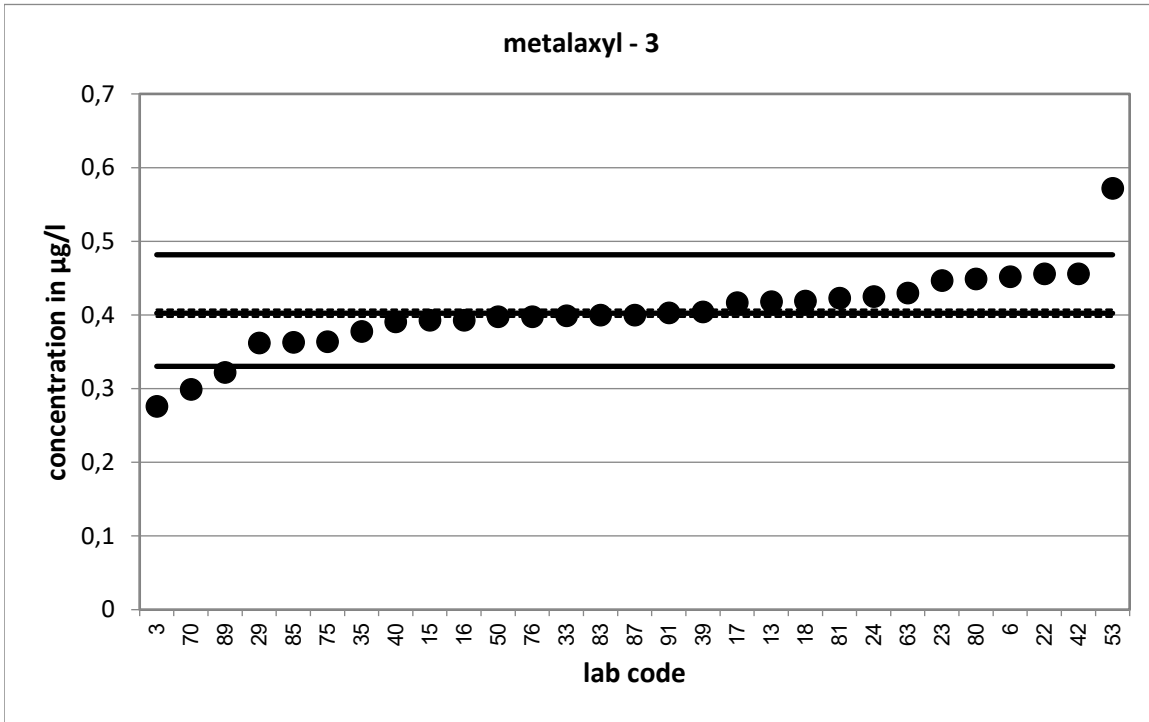


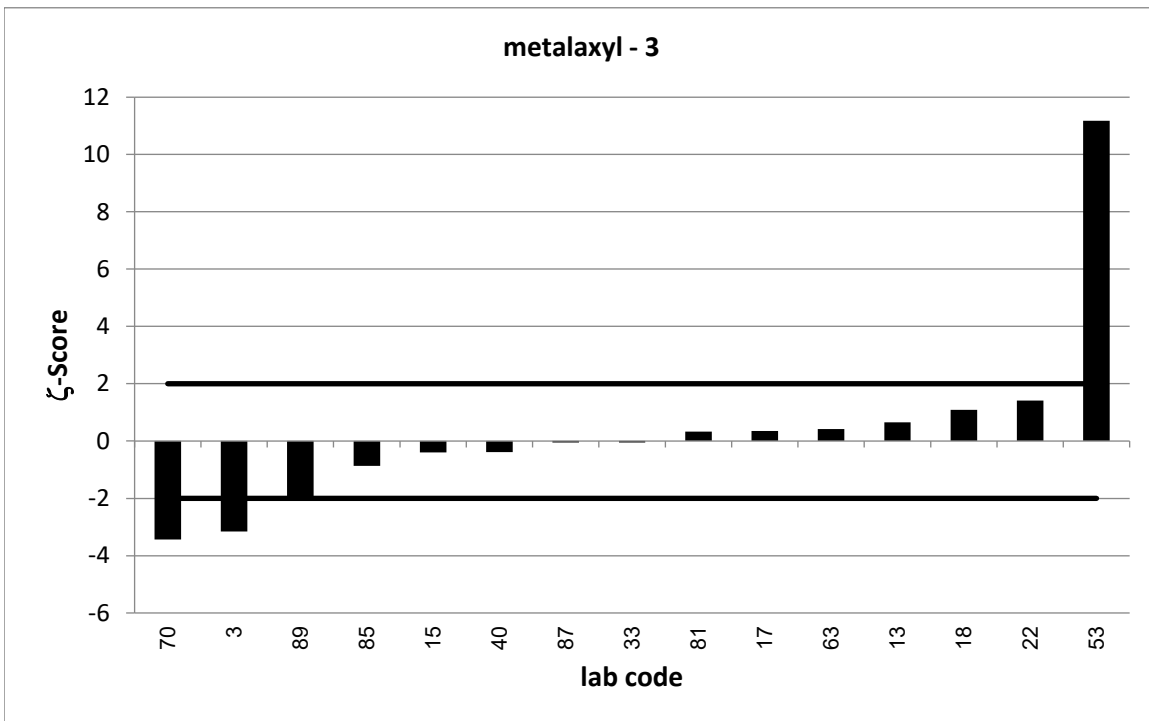
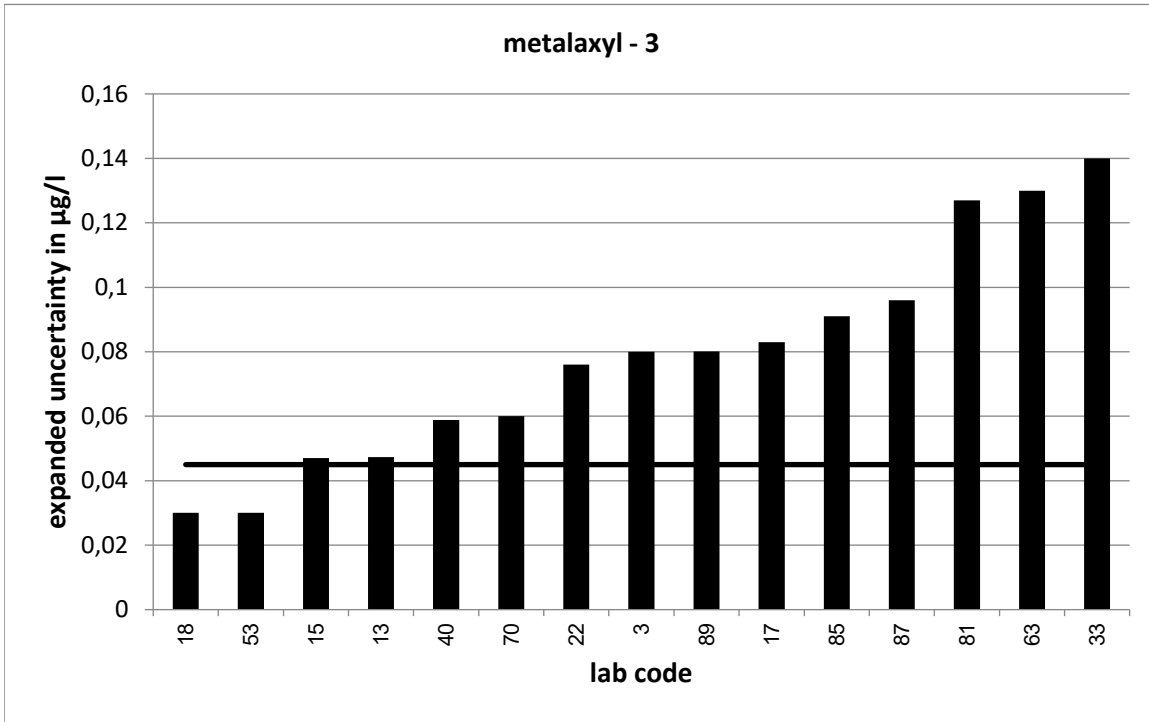


PT 7/20- TW O1		metalaxyl - 3			
assigned value [$\mu\text{g/l}$]*		0,4024 \pm 0,0047			
upper tolerance limit [$\mu\text{g/l}$]		0,4817			
lower tolerance limit [$\mu\text{g/l}$]		0,3303			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
3	0,276	0,08	-3,2	-3,5	u
6	0,452			1,3	s
13	0,418	0,047	0,7	0,4	s
15	0,393	0,047	-0,4	-0,3	s
16	0,393			-0,3	s
17	0,417	0,083	0,4	0,4	s
18	0,419	0,03	1,1	0,4	s
22	0,456	0,076	1,4	1,4	s
23	0,447			1,1	s
24	0,425			0,6	s
29	0,362			-1,1	s
33	0,399	0,14	0,0	-0,1	s
35	0,378			-0,7	s
39	0,4041			0,0	s
40	0,391	0,059	-0,4	-0,3	s
42	0,456			1,4	s
50	0,398			-0,1	s
53	0,572	0,03	11,2	4,3	u
63	0,43	0,13	0,4	0,7	s
70	0,299	0,06	-3,4	-2,9	q
75	0,364			-1,1	s
76	0,398			-0,1	s
80	0,449			1,2	s
81	0,423	0,127	0,3	0,5	s
83	0,4			-0,1	s
85	0,363	0,091	-0,9	-1,1	s
87	0,4	0,096	0,0	-0,1	s
89	0,322	0,08	-2,0	-2,2	q
91	0,403			0,0	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

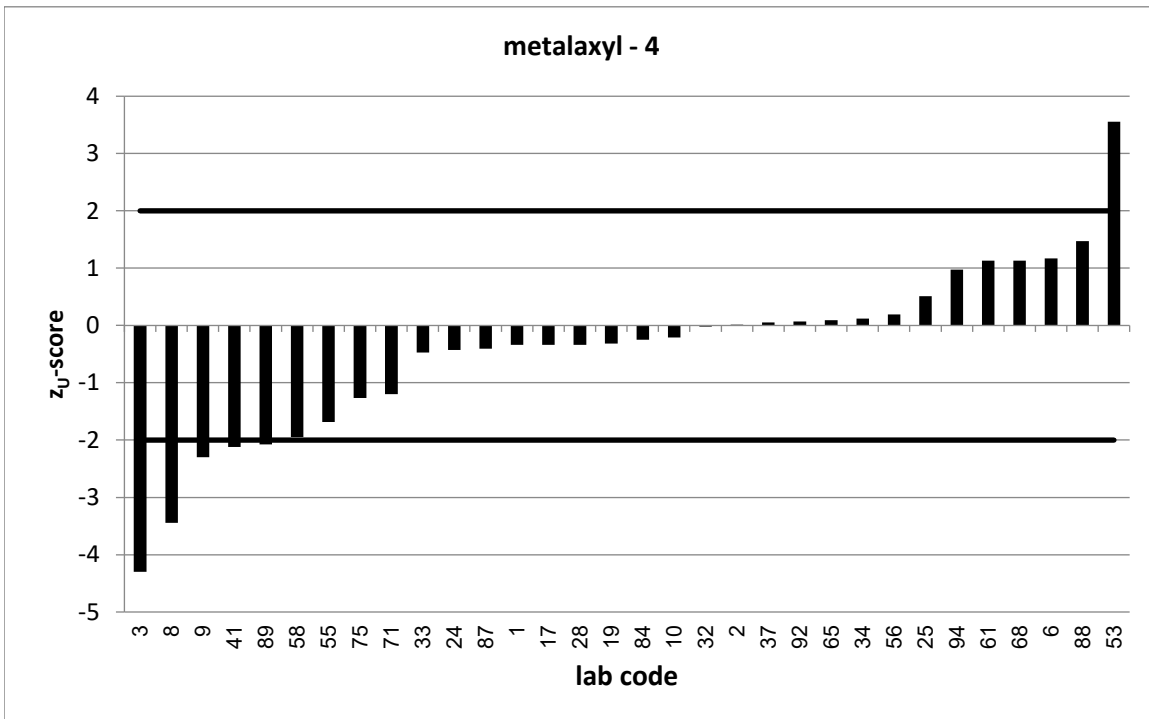
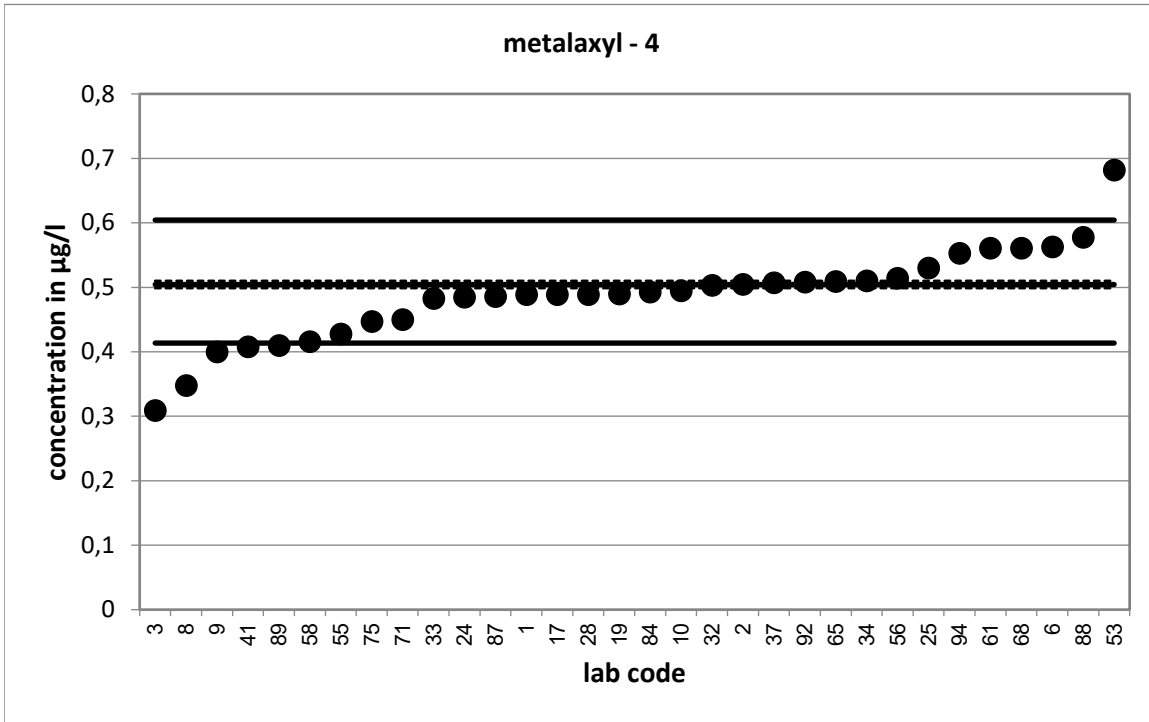


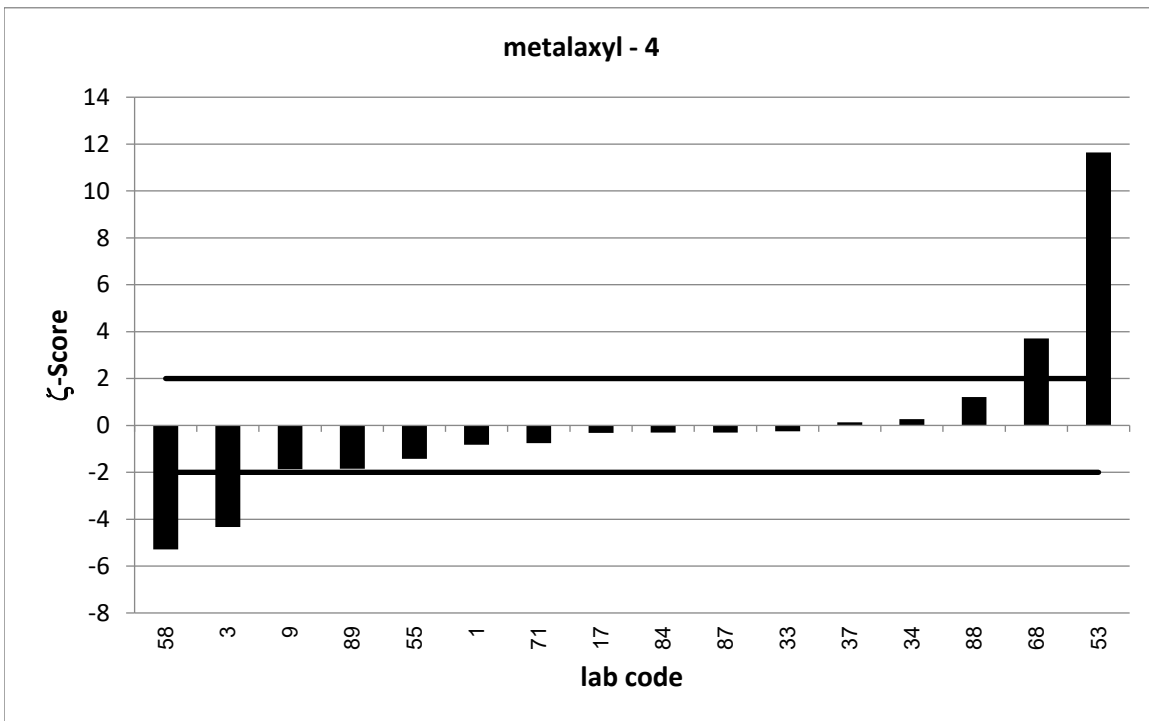
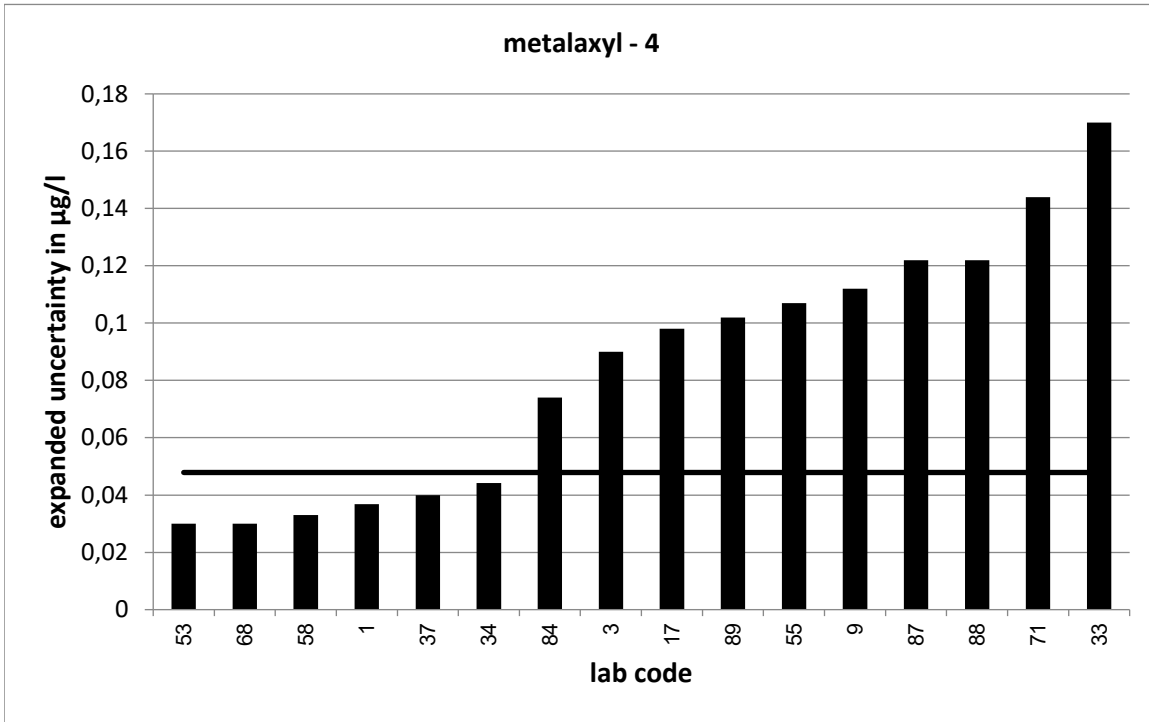


PT 7/20- TW O1		metalaxyl - 4			
assigned value [$\mu\text{g/l}$]*		0,5044 \pm 0,0056			
upper tolerance limit [$\mu\text{g/l}$]		0,6043			
lower tolerance limit [$\mu\text{g/l}$]		0,4135			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,489	0,037	-0,8	-0,3	s
2	0,505			0,0	s
3	0,309	0,09	-4,3	-4,3	u
6	0,563			1,2	s
8	0,348			-3,4	u
9	0,4	0,112	-1,9	-2,3	q
10	0,495			-0,2	s
17	0,489	0,098	-0,3	-0,3	s
19	0,49			-0,3	s
24	0,485			-0,4	s
25	0,53			0,5	s
28	0,489			-0,3	s
32	0,5035			0,0	s
33	0,483	0,17	-0,3	-0,5	s
34	0,5103	0,044	0,3	0,1	s
37	0,507	0,04	0,1	0,1	s
41	0,408			-2,1	q
53	0,682	0,03	11,6	3,6	u
55	0,428	0,107	-1,4	-1,7	s
56	0,514			0,2	s
58	0,416	0,033	-5,3	-1,9	s
61	0,561			1,1	s
65	0,509			0,1	s
68	0,561	0,03	3,7	1,1	s
71	0,45	0,144	-0,8	-1,2	s
75	0,447			-1,3	s
84	0,493	0,074	-0,3	-0,3	s
87	0,486	0,122	-0,3	-0,4	s
88	0,578	0,122	1,2	1,5	s
89	0,41	0,102	-1,8	-2,1	q
92	0,508			0,1	s
94	0,553			1,0	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

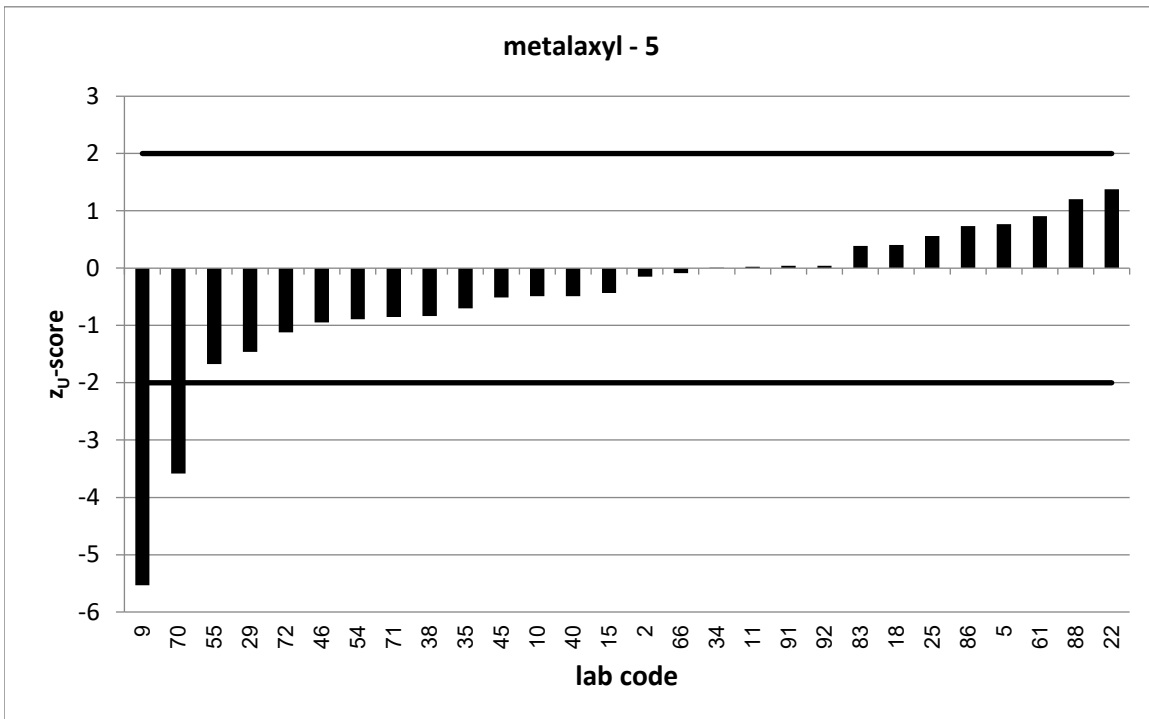
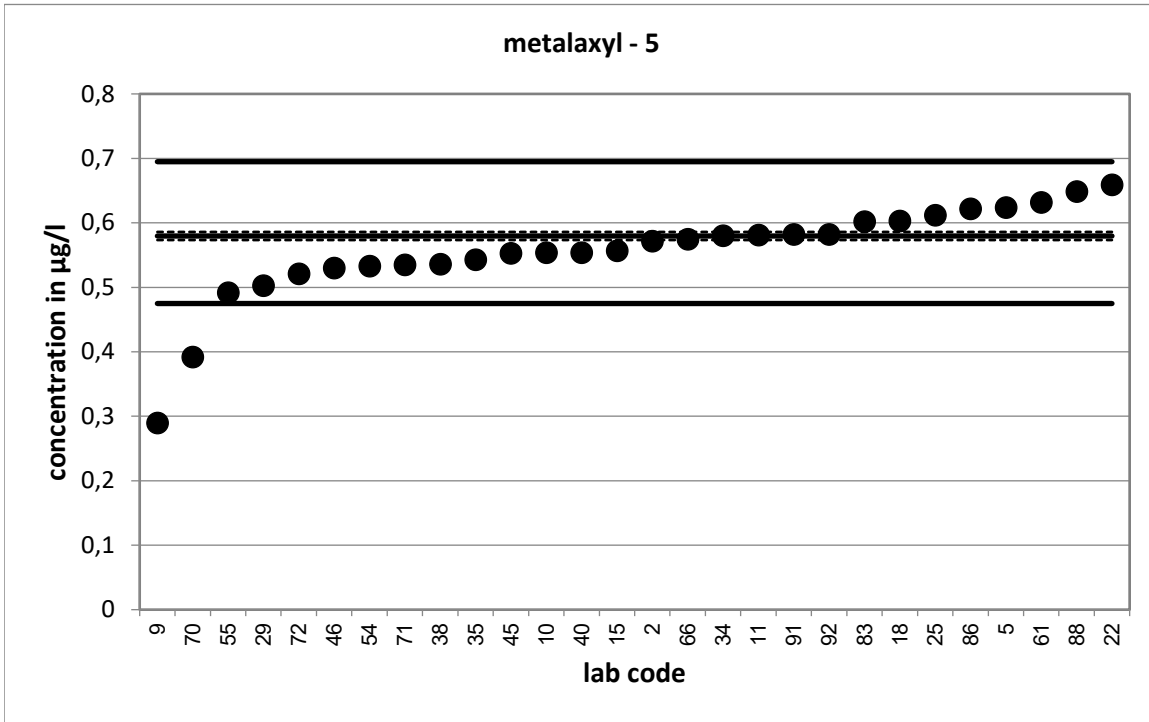


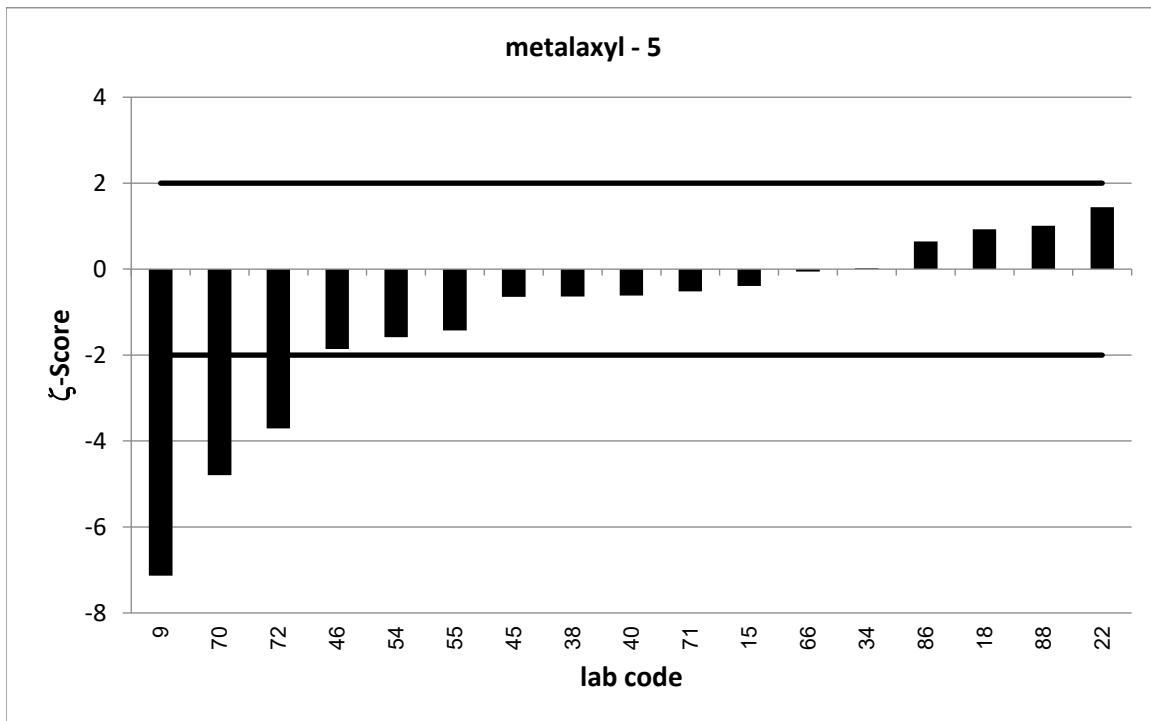
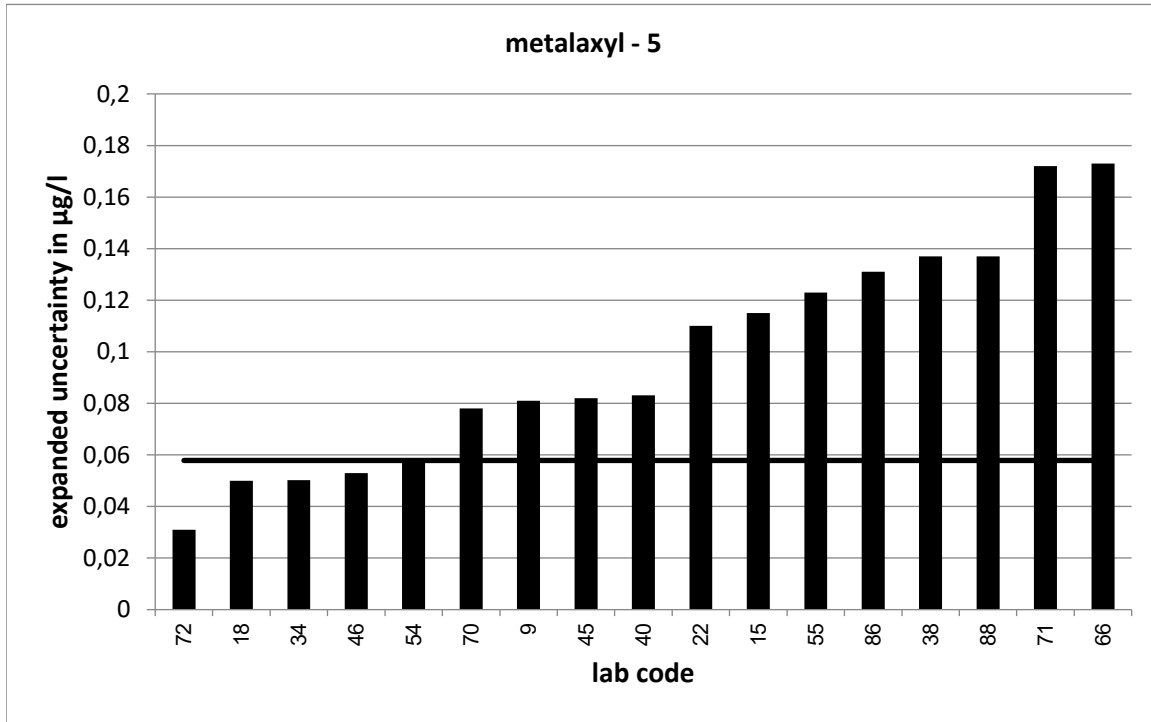


PT 7/20- TW O1		metalaxyl - 5			
assigned value [$\mu\text{g/l}$]*		0,5796 \pm 0,0063			
upper tolerance limit [$\mu\text{g/l}$]		0,6949			
lower tolerance limit [$\mu\text{g/l}$]		0,4749			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,572			-0,1	s
5	0,624			0,8	s
9	0,29	0,081	-7,1	-5,5	u
10	0,554			-0,5	s
11	0,581			0,0	s
15	0,557	0,115	-0,4	-0,4	s
18	0,603	0,05	0,9	0,4	s
22	0,659	0,11	1,4	1,4	s
25	0,612			0,6	s
29	0,503			-1,5	s
34	0,5801	0,05	0,0	0,0	s
35	0,543			-0,7	s
38	0,536	0,137	-0,6	-0,8	s
40	0,554	0,083	-0,6	-0,5	s
45	0,553	0,082	-0,6	-0,5	s
46	0,53	0,053	-1,9	-0,9	s
54	0,533	0,059	-1,6	-0,9	s
55	0,492	0,123	-1,4	-1,7	s
61	0,632			0,9	s
66	0,575	0,173	-0,1	-0,1	s
70	0,392	0,078	-4,8	-3,6	u
71	0,535	0,172	-0,5	-0,9	s
72	0,521	0,031	-3,7	-1,1	s
83	0,602			0,4	s
86	0,622	0,131	0,6	0,7	s
88	0,649	0,137	1,0	1,2	s
91	0,582			0,0	s
92	0,582			0,0	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

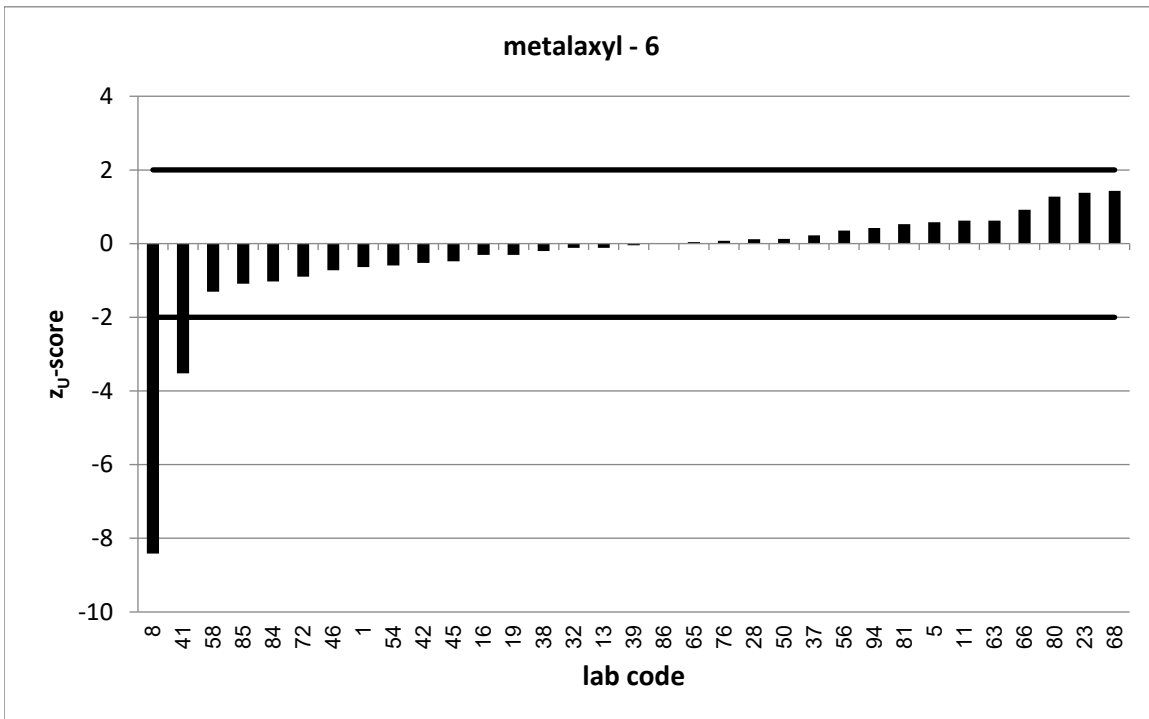
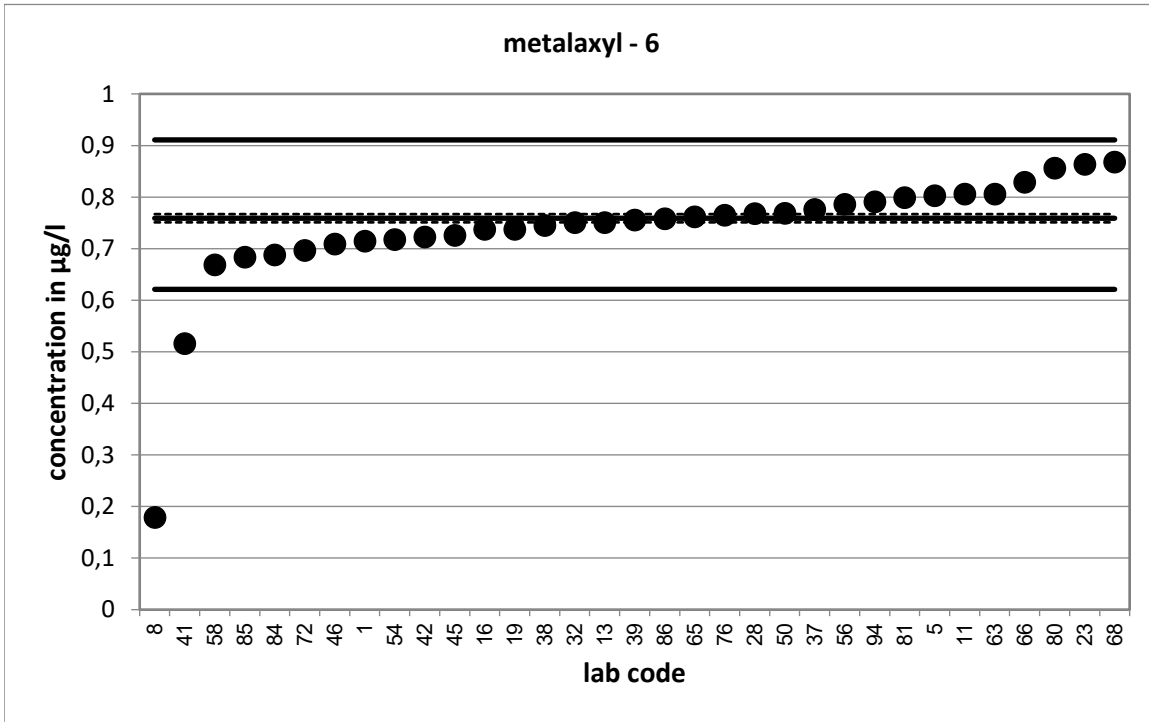


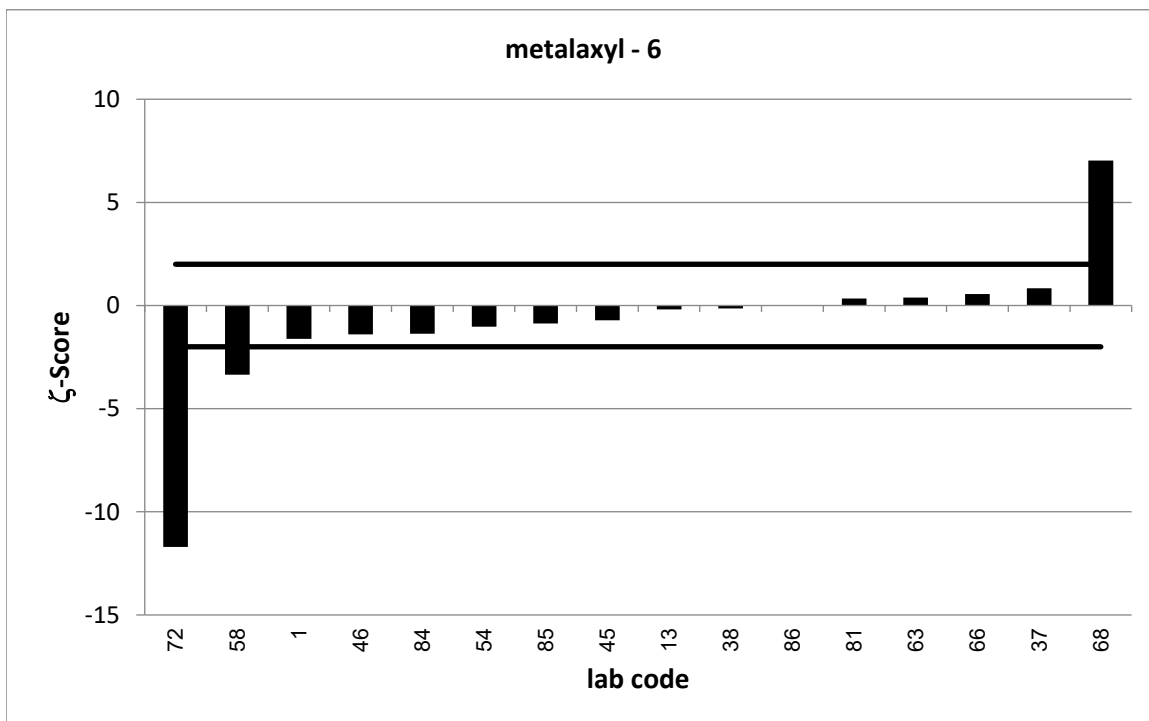
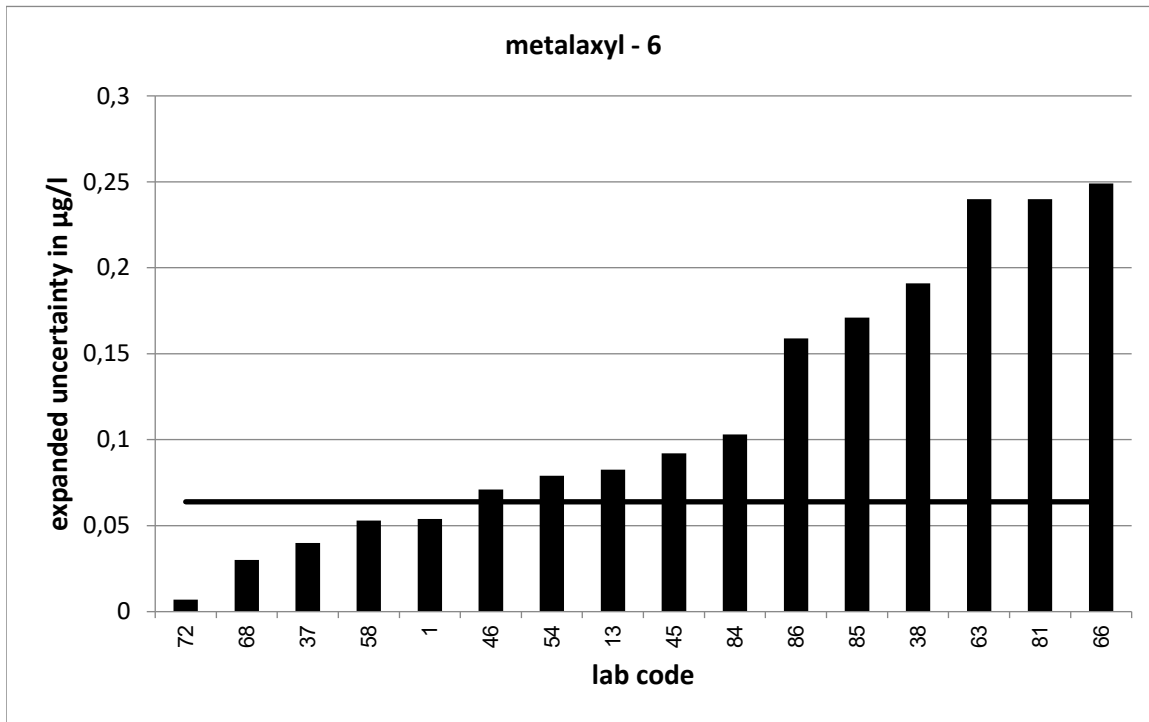


PT 7/20- TW O1		metalaxyl - 6			
assigned value [$\mu\text{g/l}$]*		0,759 \pm 0,008			
upper tolerance limit [$\mu\text{g/l}$]		0,9108			
lower tolerance limit [$\mu\text{g/l}$]		0,6211			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,715	0,054	-1,6	-0,6	s
5	0,803			0,6	s
8	0,179			-8,4	u
11	0,806			0,6	s
13	0,751	0,083	-0,2	-0,1	s
16	0,7379			-0,3	s
19	0,738			-0,3	s
23	0,864			1,4	s
28	0,768			0,1	s
32	0,7509			-0,1	s
37	0,776	0,04	0,8	0,2	s
38	0,745	0,191	-0,1	-0,2	s
39	0,756			0,0	s
41	0,516			-3,5	u
42	0,723			-0,5	s
45	0,726	0,092	-0,7	-0,5	s
46	0,709	0,071	-1,4	-0,7	s
50	0,769			0,1	s
54	0,718	0,079	-1,0	-0,6	s
56	0,786			0,4	s
58	0,669	0,053	-3,4	-1,3	s
63	0,806	0,24	0,4	0,6	s
65	0,762			0,0	s
66	0,829	0,249	0,6	0,9	s
68	0,868	0,03	7,0	1,4	s
72	0,697	0,007	-11,7	-0,9	s
76	0,765			0,1	s
80	0,856			1,3	s
81	0,799	0,24	0,3	0,5	s
84	0,688	0,103	-1,4	-1,0	s
85	0,684	0,171	-0,9	-1,1	s
86	0,758	0,159	0,0	0,0	s
94	0,791			0,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

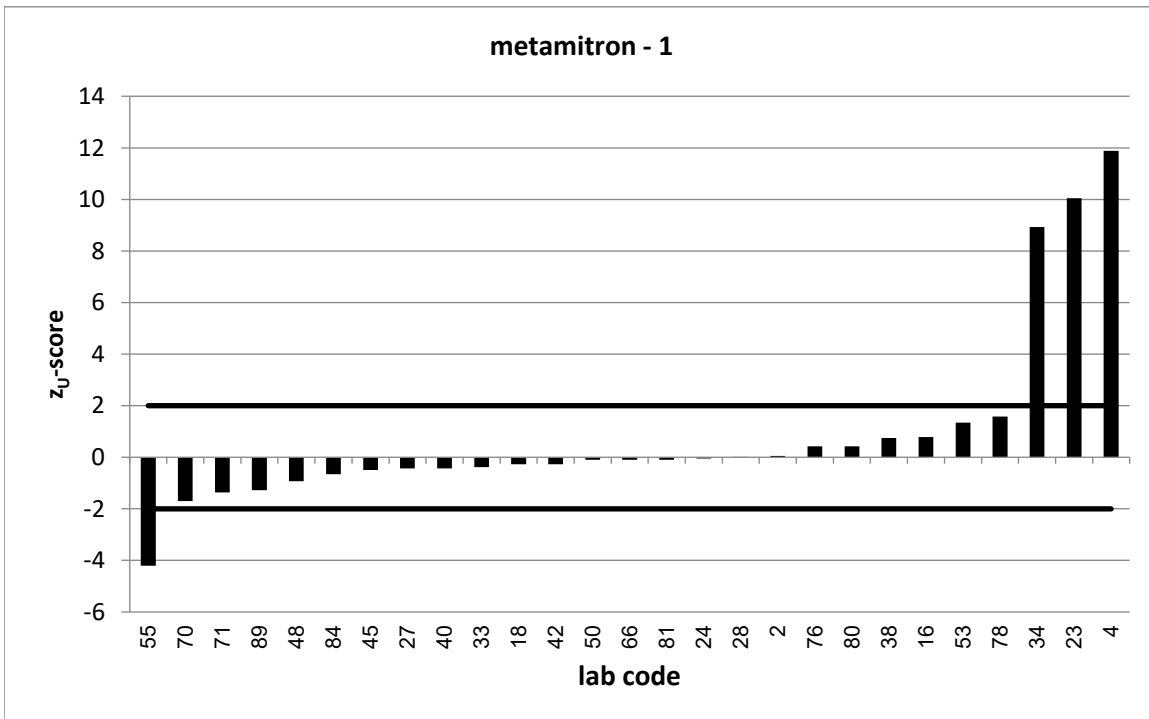
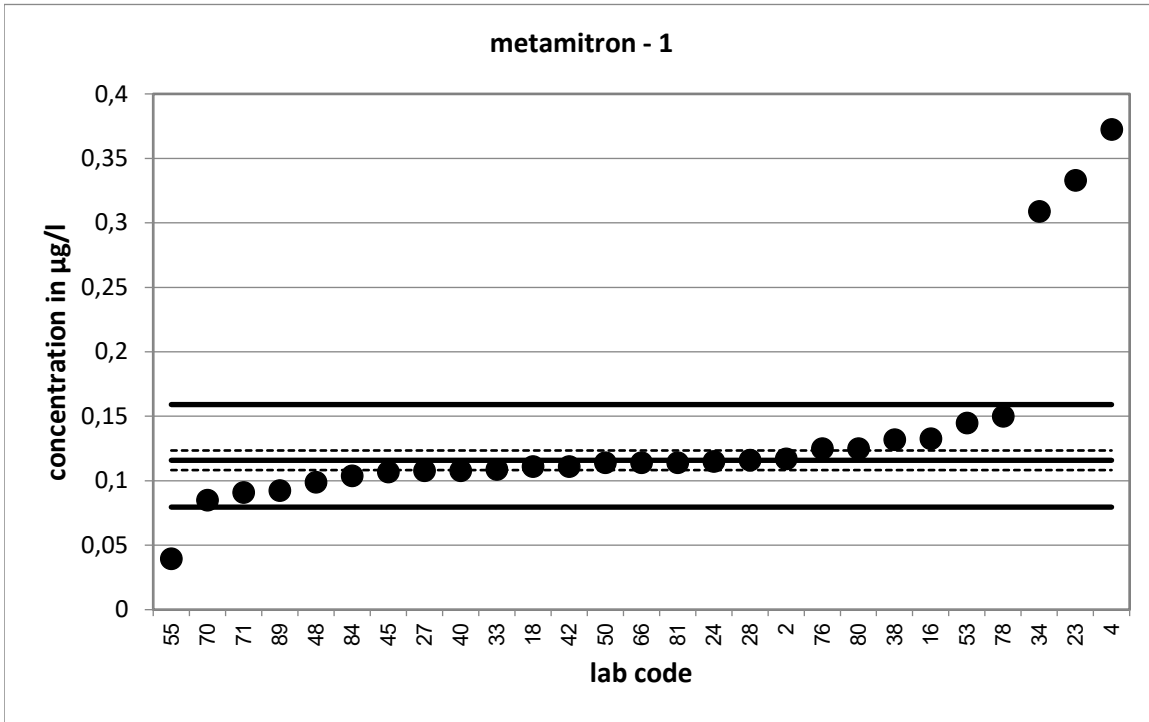


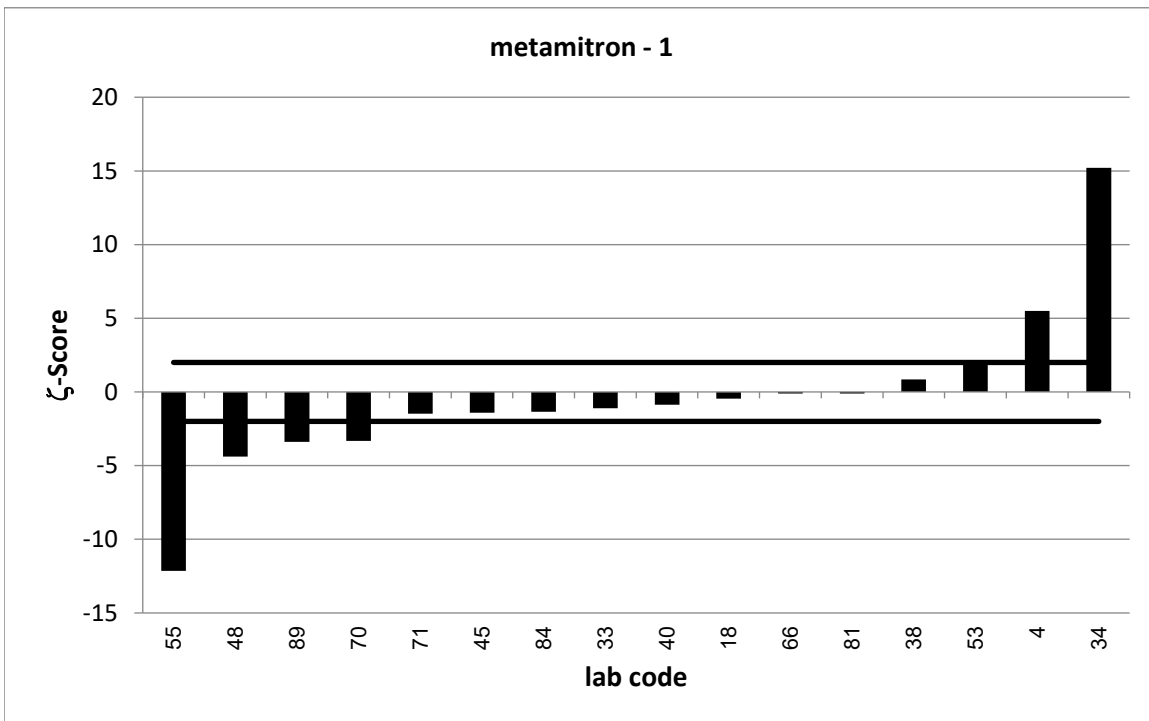
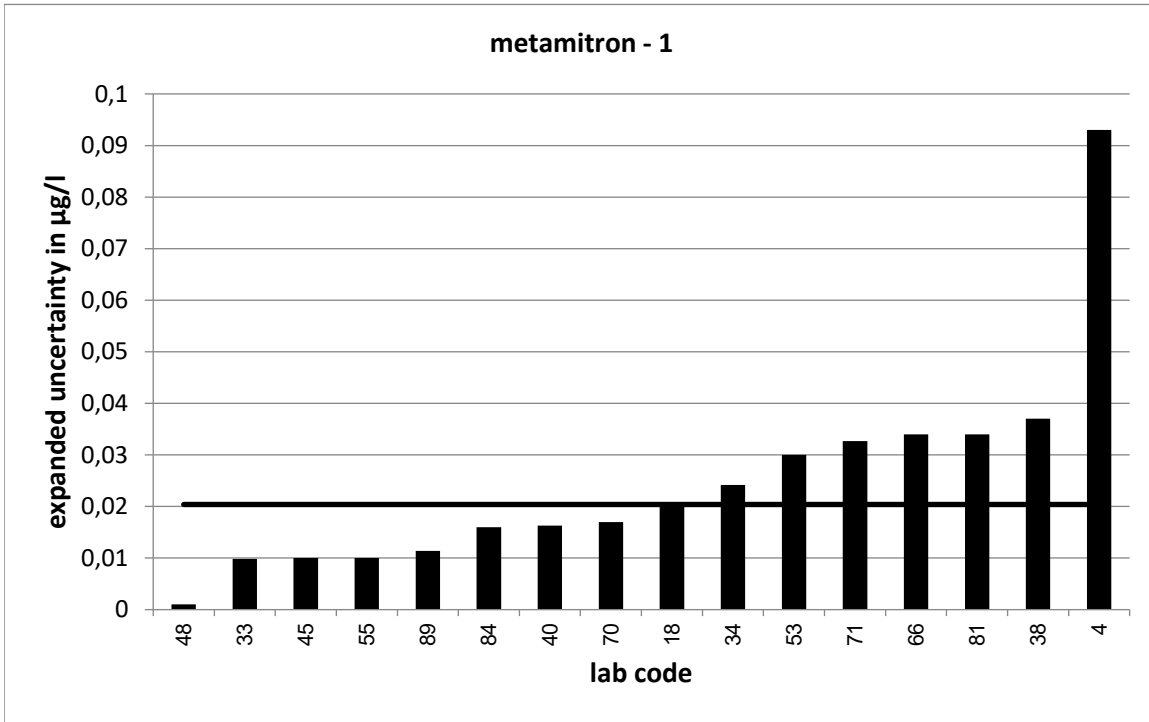


PT 7/20- TW O1		metamitron - 1			
assigned value [$\mu\text{g/l}$]*		0,1159 \pm 0,0076			
upper tolerance limit [$\mu\text{g/l}$]		0,1591			
lower tolerance limit [$\mu\text{g/l}$]		0,07955			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,117			0,1	s
4	0,3725	0,093	5,5	11,9	u
16	0,1328			0,8	s
18	0,111	0,02	-0,5	-0,3	s
23	0,333			10,0	u
24	0,115			0,0	s
27	0,108			-0,4	s
28	0,116			0,0	s
33	0,109	0,01	-1,1	-0,4	s
34	0,3089	0,024	15,2	8,9	u
38	0,132	0,037	0,9	0,7	s
40	0,108	0,016	-0,9	-0,4	s
42	0,111			-0,3	s
45	0,107	0,01	-1,4	-0,5	s
48	0,099	0,001	-4,4	-0,9	s
50	0,114			-0,1	s
53	0,145	0,03	1,9	1,3	s
55	0,0395	0,01	-12,2	-4,2	u
66	0,114	0,034	-0,1	-0,1	s
70	0,085	0,017	-3,3	-1,7	s
71	0,091	0,033	-1,5	-1,4	s
76	0,125			0,4	s
78	0,15			1,6	s
80	0,125			0,4	s
81	0,114	0,034	-0,1	-0,1	s
84	0,104	0,016	-1,3	-0,7	s
89	0,0926	0,011	-3,4	-1,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

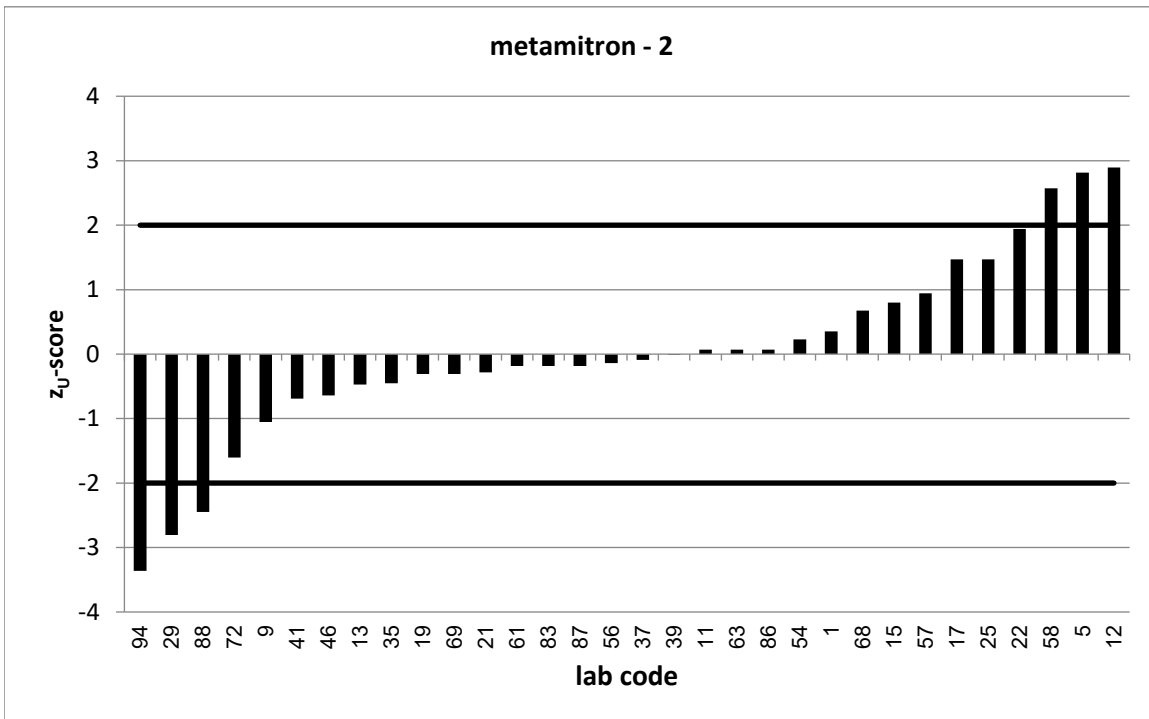
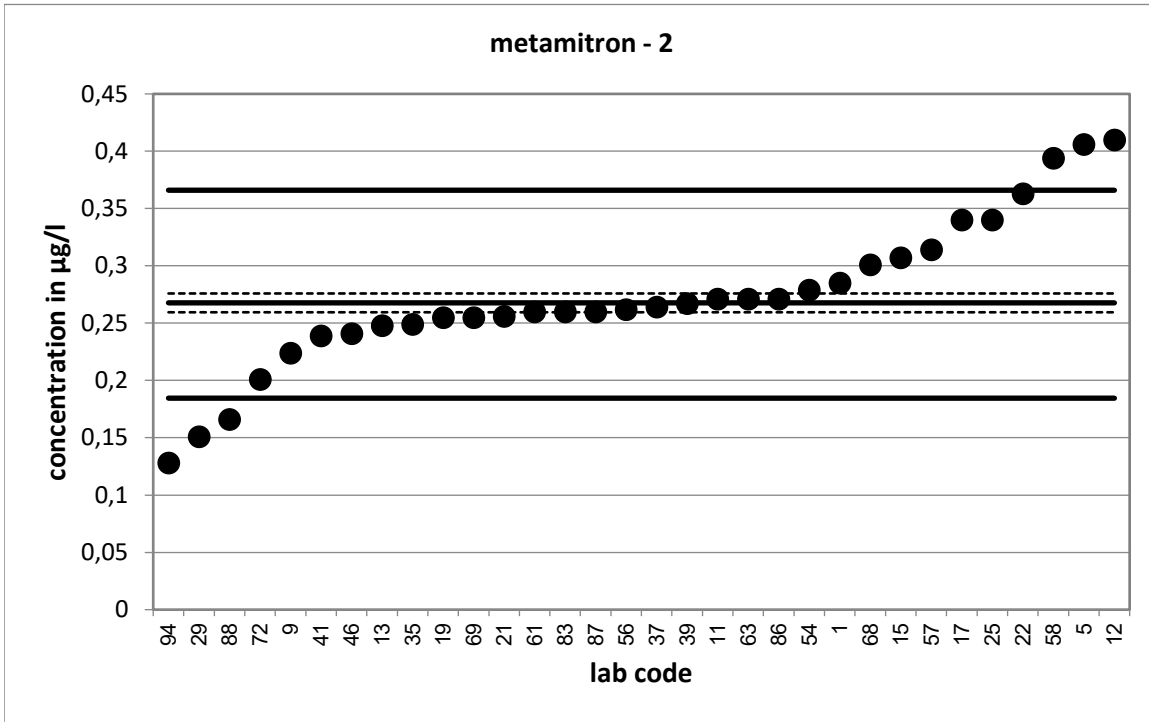


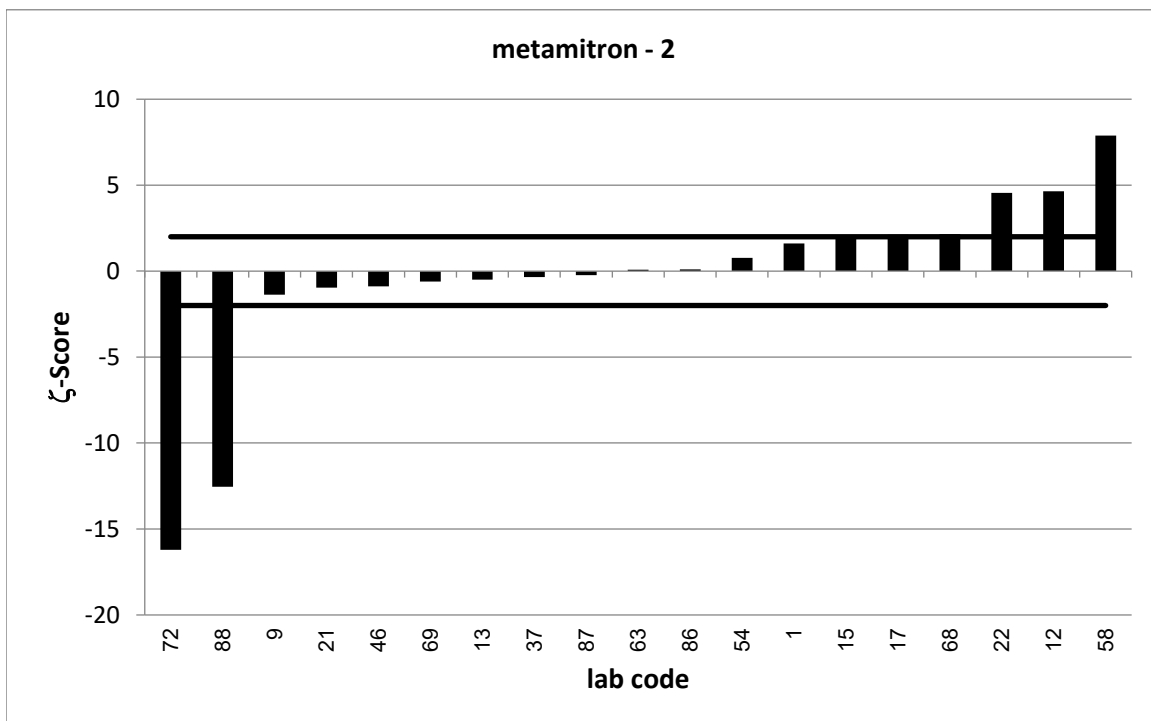
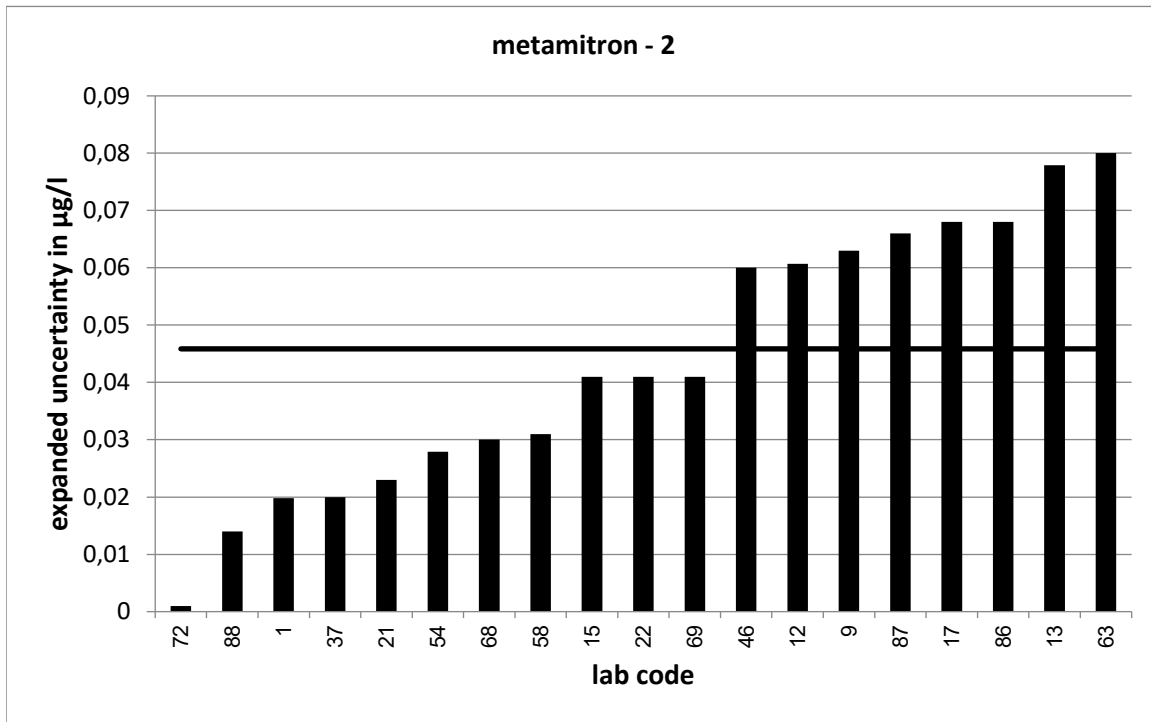


PT 7/20- TW O1		metamitron - 2			
assigned value [$\mu\text{g/l}$]*		0,2677 \pm 0,0082			
upper tolerance limit [$\mu\text{g/l}$]		0,366			
lower tolerance limit [$\mu\text{g/l}$]		0,1846			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,285	0,02	1,6	0,4	s
5	0,406			2,8	q
9	0,224	0,063	-1,4	-1,1	s
11	0,271			0,1	s
12	0,41	0,061	4,6	2,9	q
13	0,248	0,078	-0,5	-0,5	s
15	0,307	0,041	1,9	0,8	s
17	0,34	0,068	2,1	1,5	s
19	0,255			-0,3	s
21	0,256	0,023	-1,0	-0,3	s
22	0,363	0,041	4,6	1,9	s
25	0,34			1,5	s
29	0,151			-2,8	q
35	0,249			-0,4	s
37	0,264	0,02	-0,3	-0,1	s
39	0,2672			0,0	s
41	0,239			-0,7	s
46	0,241	0,06	-0,9	-0,6	s
54	0,279	0,028	0,8	0,2	s
56	0,262			-0,1	s
57	0,314			0,9	s
58	0,394	0,031	7,9	2,6	q
61	0,26			-0,2	s
63	0,271	0,08	0,1	0,1	s
68	0,301	0,03	2,1	0,7	s
69	0,255	0,041	-0,6	-0,3	s
72	0,201	0,001	-16,2	-1,6	s
83	0,26			-0,2	s
86	0,271	0,068	0,1	0,1	s
87	0,26	0,066	-0,2	-0,2	s
88	0,166	0,014	-12,5	-2,4	q
94	0,128			-3,4	u

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

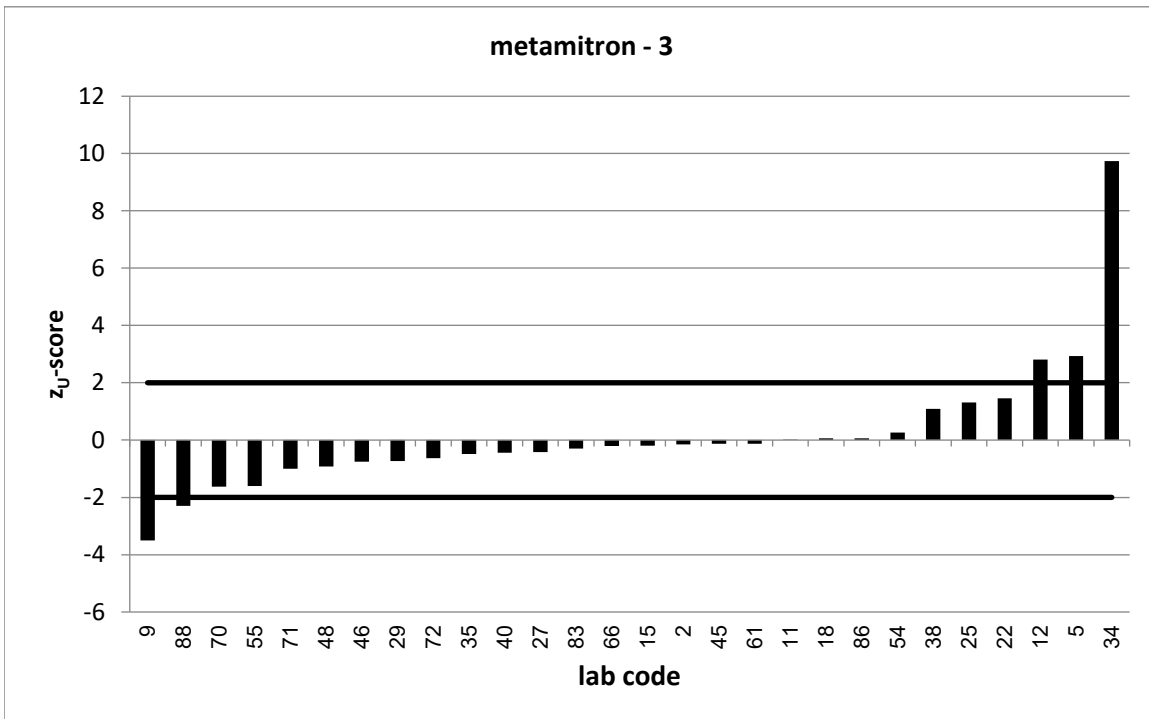
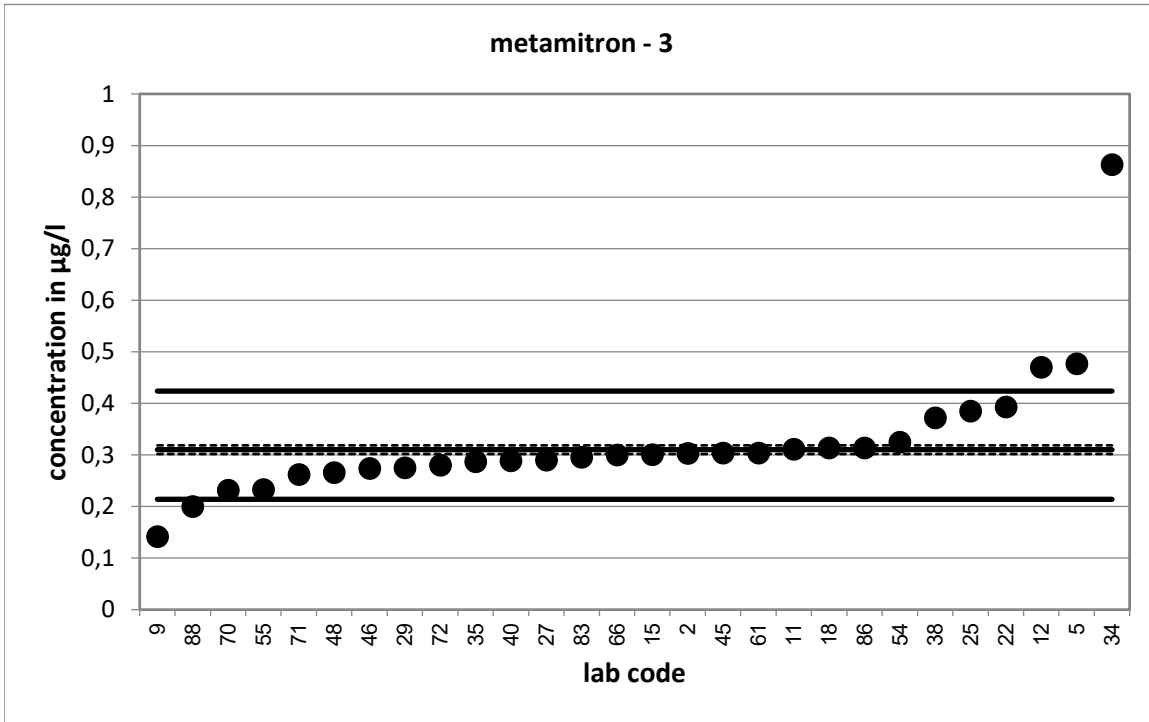


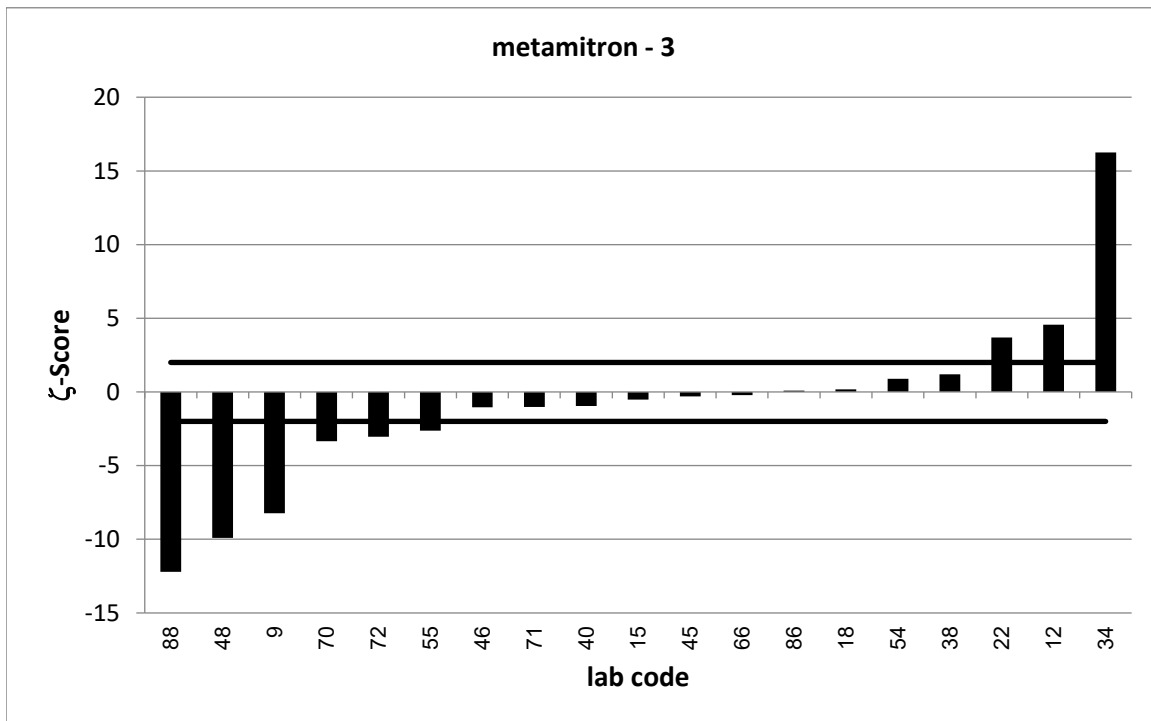
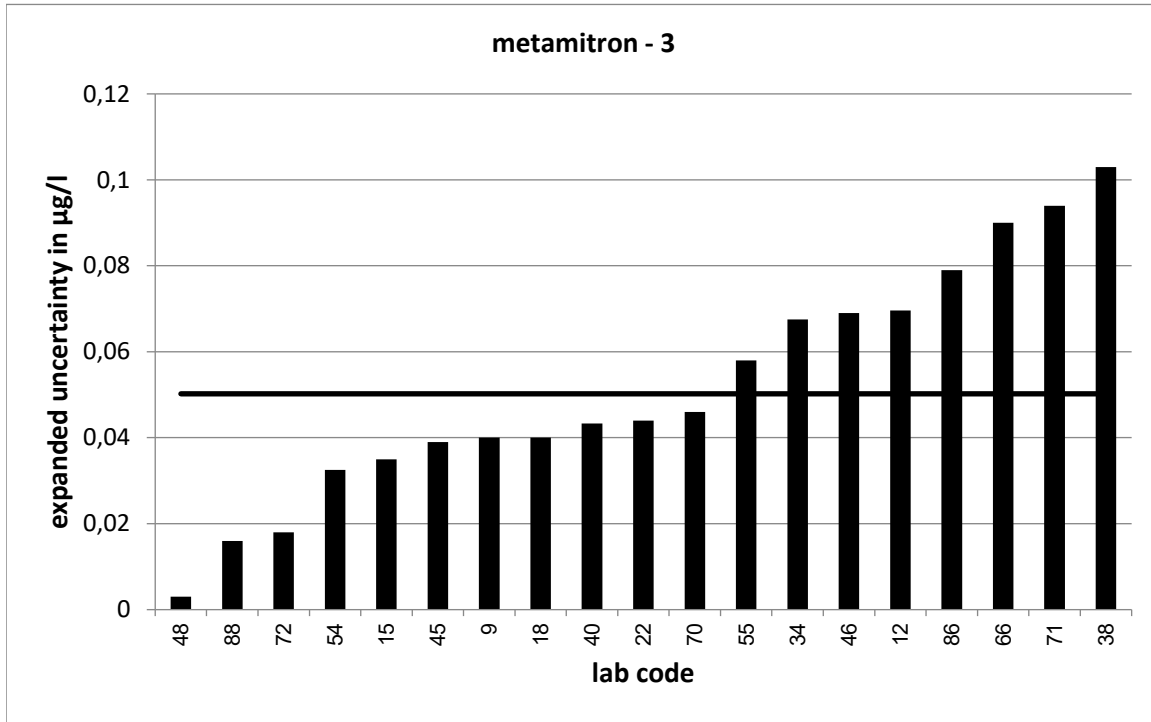


PT 7/20- TW O1		metamitron - 3			
assigned value [$\mu\text{g/l}$]*		0,3102 \pm 0,0084			
upper tolerance limit [$\mu\text{g/l}$]		0,4238			
lower tolerance limit [$\mu\text{g/l}$]		0,214			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,303			-0,1	s
5	0,477			2,9	q
9	0,142	0,04	-8,2	-3,5	u
11	0,311			0,0	s
12	0,47	0,07	4,6	2,8	q
15	0,301	0,035	-0,5	-0,2	s
18	0,314	0,04	0,2	0,1	s
22	0,393	0,044	3,7	1,5	s
25	0,385			1,3	s
27	0,29			-0,4	s
29	0,275			-0,7	s
34	0,863	0,068	16,3	9,7	u
35	0,287			-0,5	s
38	0,372	0,103	1,2	1,1	s
40	0,289	0,043	-1,0	-0,4	s
45	0,304	0,039	-0,3	-0,1	s
46	0,274	0,069	-1,0	-0,8	s
48	0,266	0,003	-9,9	-0,9	s
54	0,325	0,033	0,9	0,3	s
55	0,233	0,058	-2,6	-1,6	s
61	0,304			-0,1	s
66	0,3	0,09	-0,2	-0,2	s
70	0,232	0,046	-3,3	-1,6	s
71	0,262	0,094	-1,0	-1,0	s
72	0,28	0,018	-3,0	-0,6	s
83	0,296			-0,3	s
86	0,314	0,079	0,1	0,1	s
88	0,2	0,016	-12,2	-2,3	q

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

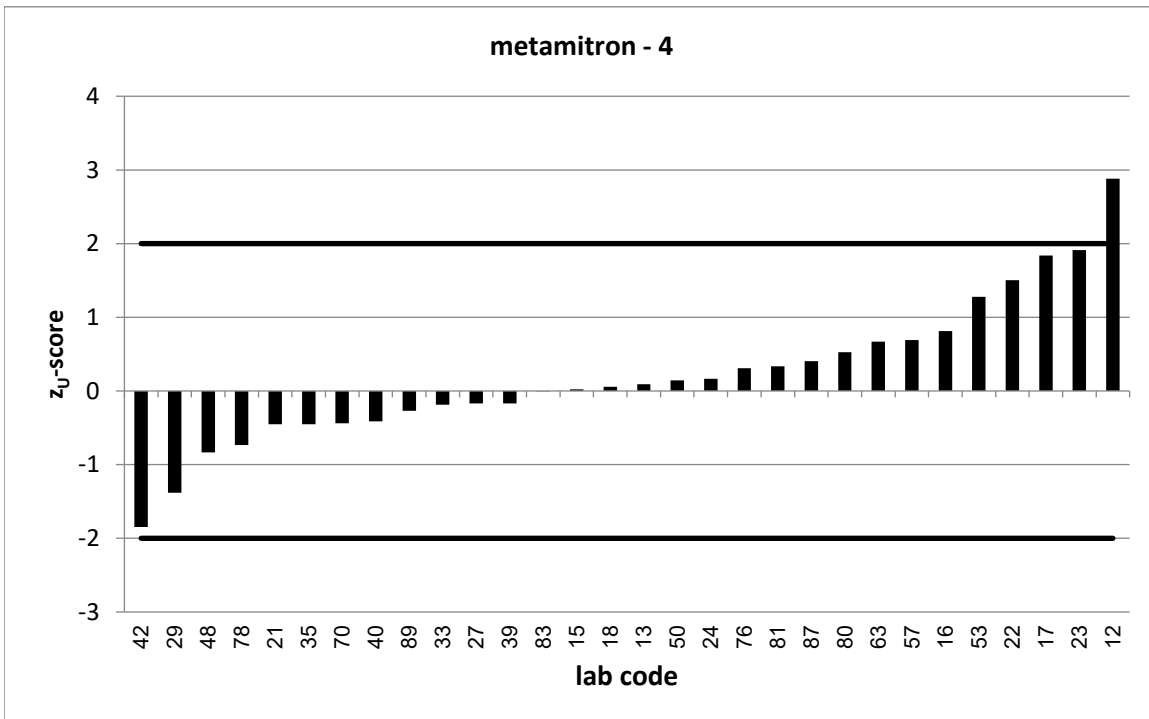
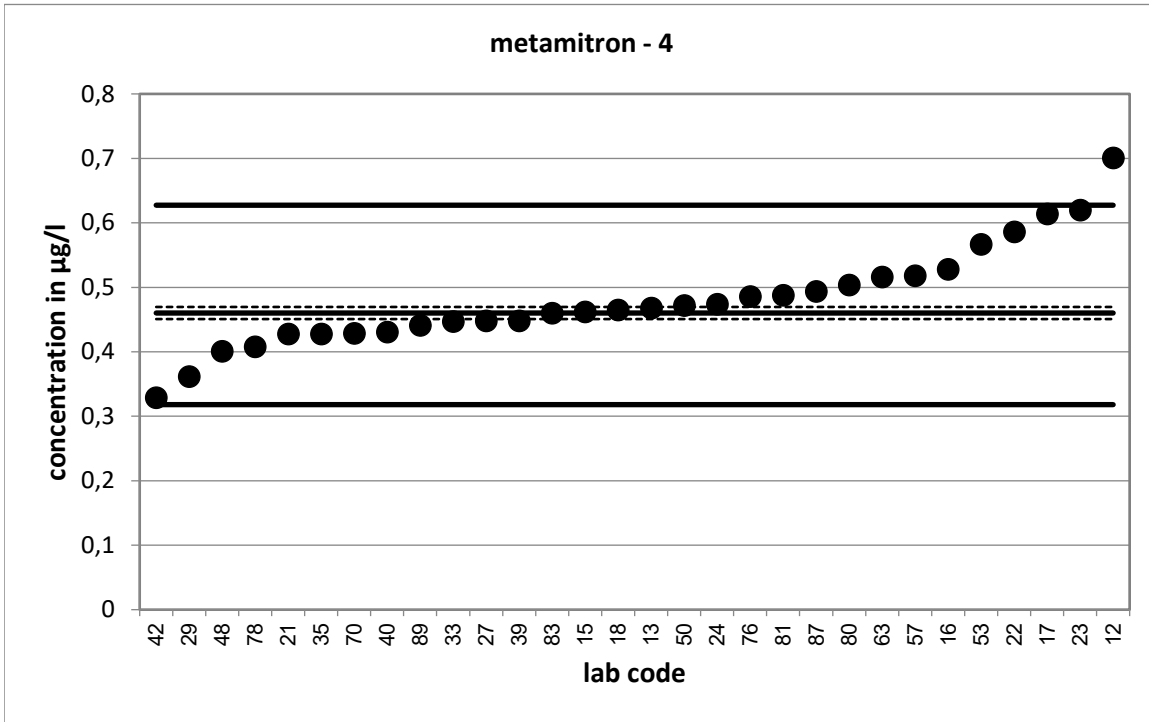


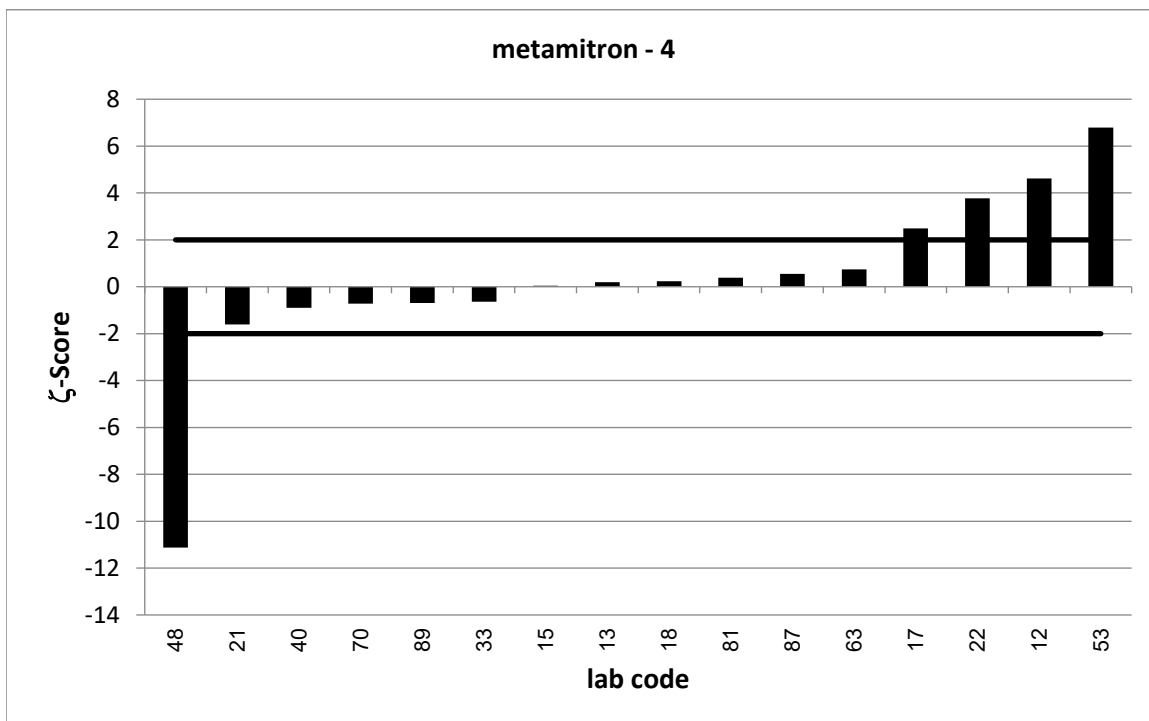
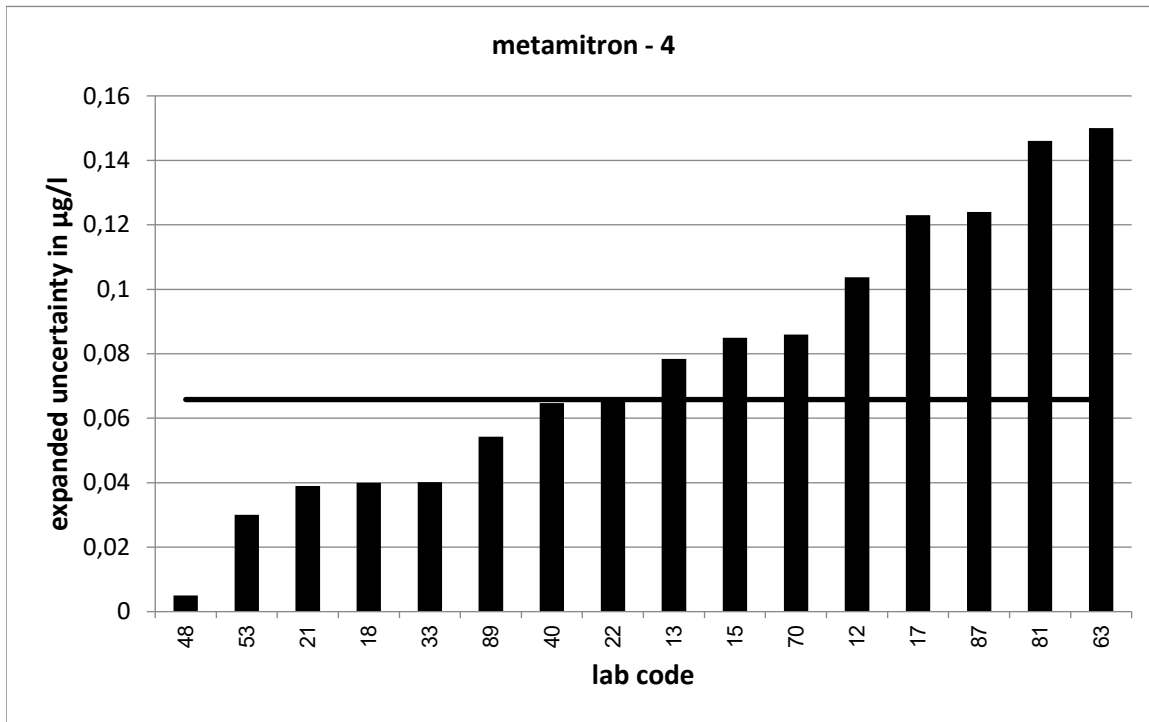


PT 7/20- TW O1		metamitron - 4			
assigned value [$\mu\text{g/l}$]*		0,4602 \pm 0,0094			
upper tolerance limit [$\mu\text{g/l}$]		0,6274			
lower tolerance limit [$\mu\text{g/l}$]		0,3181			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
12	0,701	0,104	4,6	2,9	q
13	0,468	0,078	0,2	0,1	s
15	0,462	0,085	0,0	0,0	s
16	0,5282			0,8	s
17	0,614	0,123	2,5	1,8	s
18	0,465	0,04	0,2	0,1	s
21	0,428	0,039	-1,6	-0,5	s
22	0,586	0,066	3,8	1,5	s
23	0,62			1,9	s
24	0,474			0,2	s
27	0,448			-0,2	s
29	0,362			-1,4	s
33	0,447	0,04	-0,6	-0,2	s
35	0,428			-0,5	s
39	0,448			-0,2	s
40	0,431	0,065	-0,9	-0,4	s
42	0,329			-1,8	s
48	0,401	0,005	-11,1	-0,8	s
50	0,472			0,1	s
53	0,567	0,03	6,8	1,3	s
57	0,518			0,7	s
63	0,516	0,15	0,7	0,7	s
70	0,429	0,086	-0,7	-0,4	s
76	0,486			0,3	s
78	0,408			-0,7	s
80	0,504			0,5	s
81	0,488	0,146	0,4	0,3	s
83	0,46			0,0	s
87	0,494	0,124	0,5	0,4	s
89	0,441	0,054	-0,7	-0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

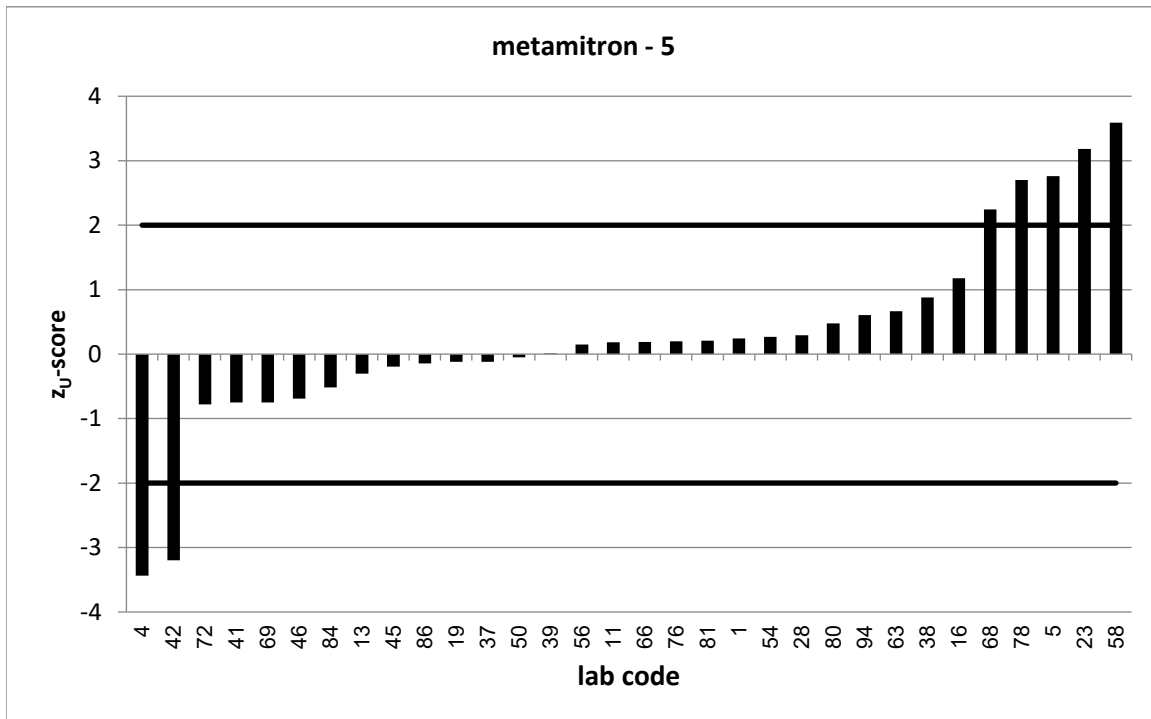
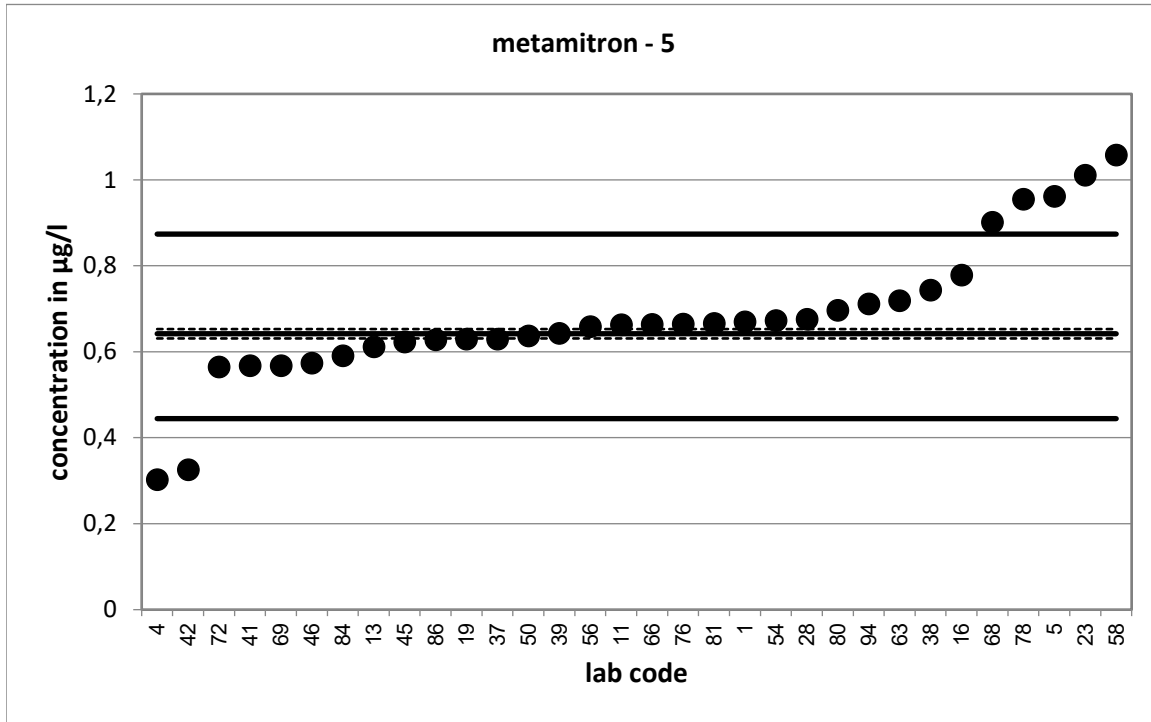


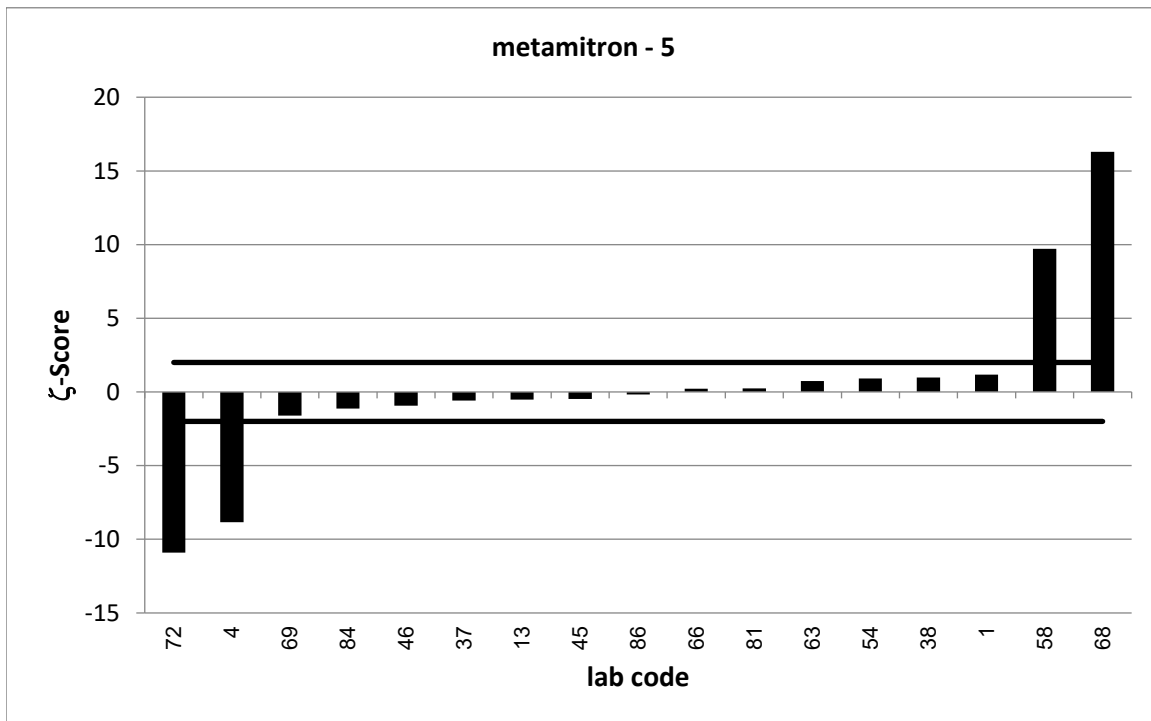
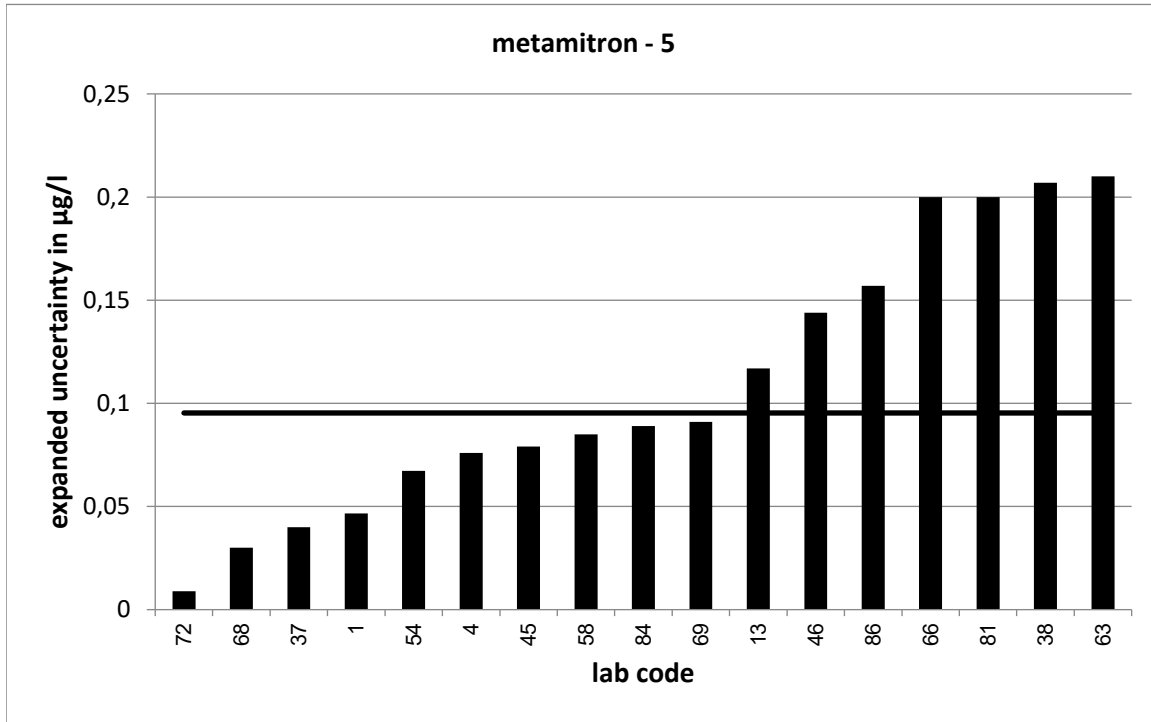


PT 7/20- TW O1		metamitron - 5			
assigned value [$\mu\text{g/l}$]*		0,642 \pm 0,0109			
upper tolerance limit [$\mu\text{g/l}$]		0,8738			
lower tolerance limit [$\mu\text{g/l}$]		0,4445			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,67	0,047	1,2	0,2	s
4	0,3025	0,076	-8,8	-3,4	u
5	0,962			2,8	q
11	0,663			0,2	s
13	0,612	0,117	-0,5	-0,3	s
16	0,7786			1,2	s
19	0,63			-0,1	s
23	1,011			3,2	u
28	0,676			0,3	s
37	0,63	0,04	-0,6	-0,1	s
38	0,744	0,207	1,0	0,9	s
39	0,643			0,0	s
41	0,568			-0,7	s
42	0,326			-3,2	u
45	0,623	0,079	-0,5	-0,2	s
46	0,574	0,144	-0,9	-0,7	s
50	0,637			-0,1	s
54	0,673	0,067	0,9	0,3	s
56	0,659			0,1	s
58	1,058	0,085	9,7	3,6	u
63	0,719	0,21	0,7	0,7	s
66	0,664	0,2	0,2	0,2	s
68	0,902	0,03	16,3	2,2	q
69	0,568	0,091	-1,6	-0,7	s
72	0,565	0,009	-10,9	-0,8	s
76	0,665			0,2	s
78	0,955			2,7	q
80	0,697			0,5	s
81	0,666	0,2	0,2	0,2	s
84	0,591	0,089	-1,1	-0,5	s
86	0,628	0,157	-0,2	-0,1	s
94	0,712			0,6	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

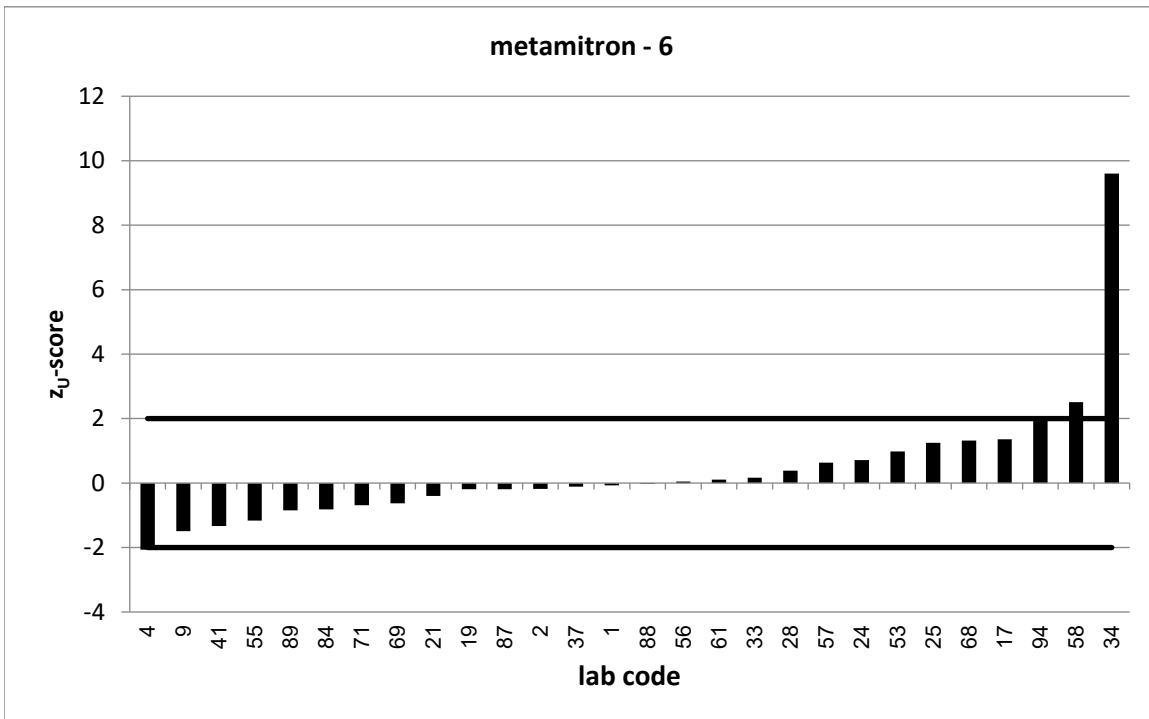
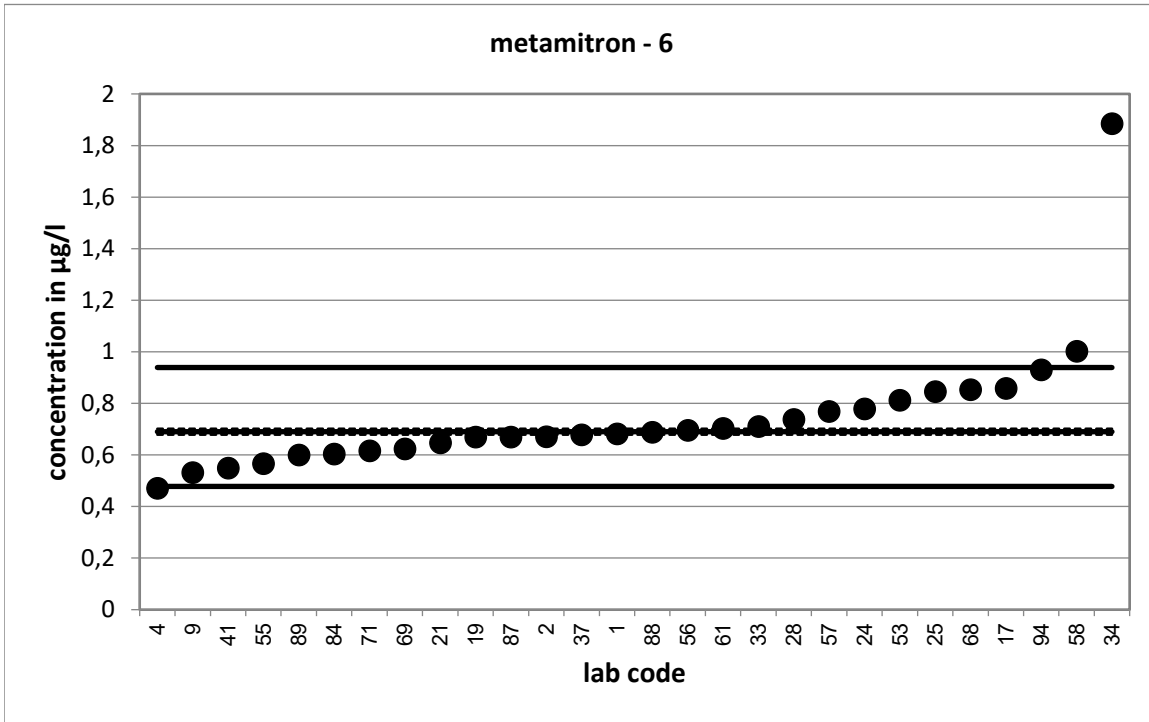


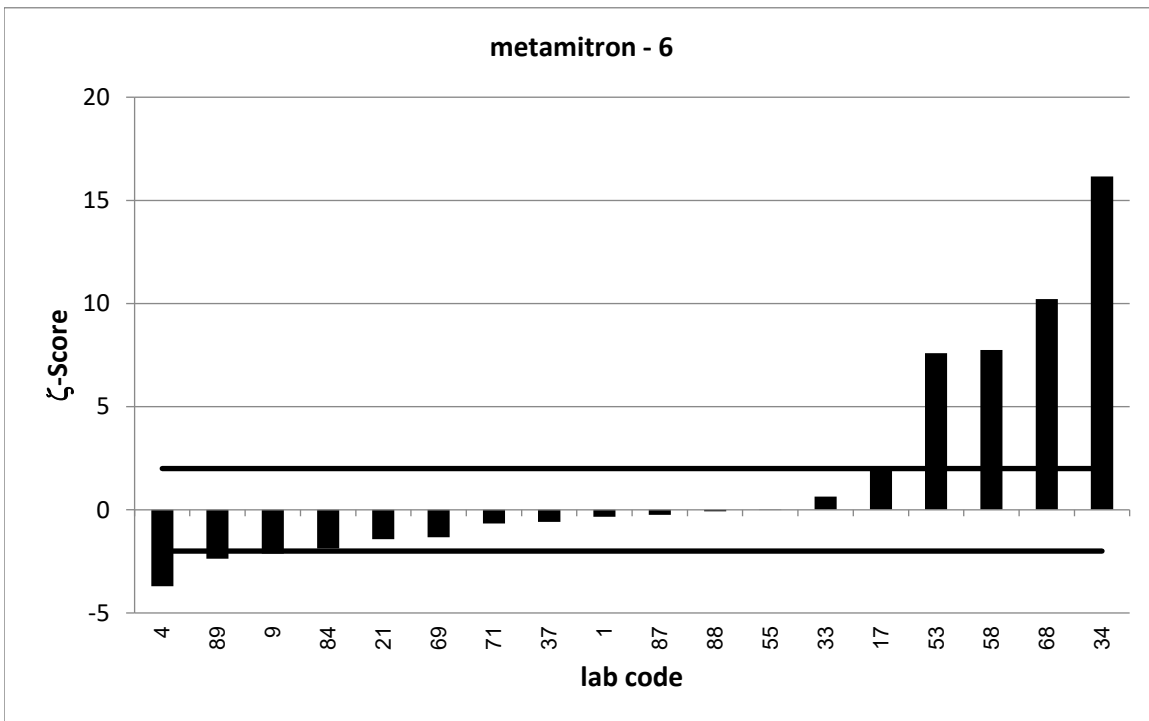
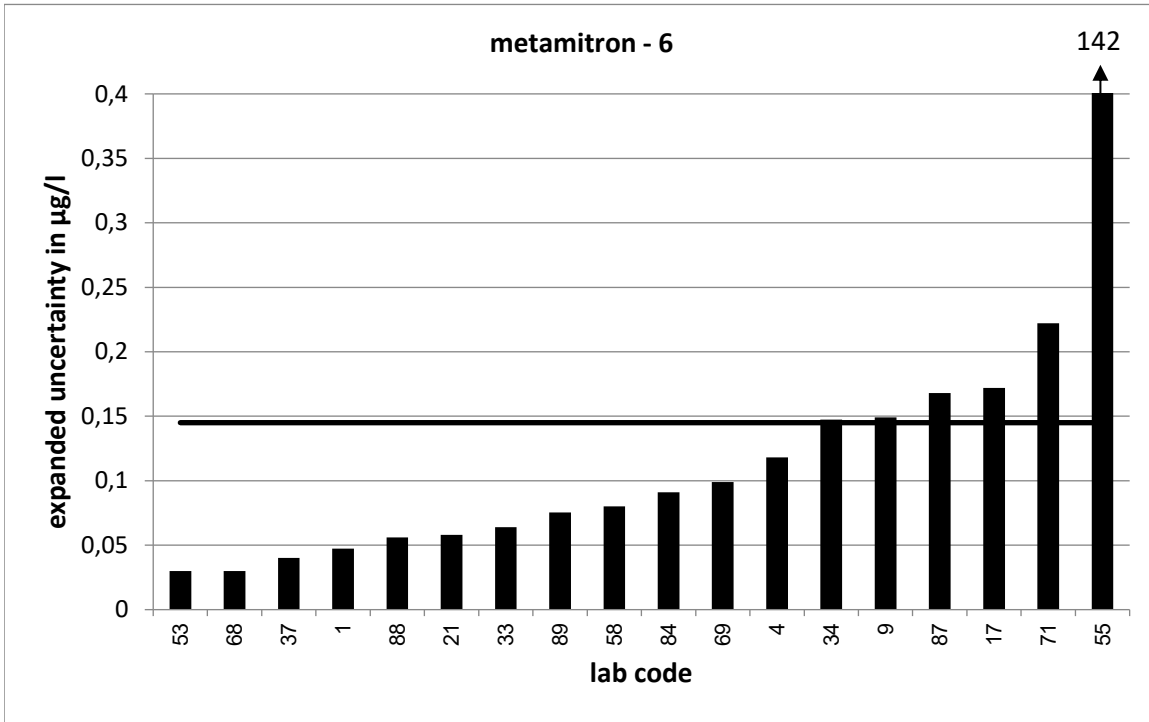


PT 7/20- TW O1		metamitron - 6			
assigned value [$\mu\text{g/l}$]*		0,6901 \pm 0,0113			
upper tolerance limit [$\mu\text{g/l}$]		0,9391			
lower tolerance limit [$\mu\text{g/l}$]		0,478			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,682	0,047	-0,3	-0,1	s
2	0,671			-0,2	s
4	0,471	0,118	-3,7	-2,1	q
9	0,532	0,149	-2,1	-1,5	s
17	0,859	0,172	2,0	1,4	s
19	0,67			-0,2	s
21	0,648	0,058	-1,4	-0,4	s
24	0,779			0,7	s
25	0,846			1,3	s
28	0,738			0,4	s
33	0,711	0,064	0,6	0,2	s
34	1,885	0,147	16,2	9,6	u
37	0,678	0,04	-0,6	-0,1	s
41	0,549			-1,3	s
53	0,812	0,03	7,6	1,0	s
55	0,567	142	0,0	-1,2	s
56	0,696			0,0	s
57	0,769			0,6	s
58	1,003	0,08	7,7	2,5	q
61	0,703			0,1	s
68	0,854	0,03	10,2	1,3	s
69	0,624	0,099	-1,3	-0,6	s
71	0,617	0,222	-0,7	-0,7	s
84	0,604	0,091	-1,9	-0,8	s
87	0,67	0,168	-0,2	-0,2	s
88	0,688	0,056	-0,1	0,0	s
89	0,6	0,075	-2,4	-0,8	s
94	0,93			1,9	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

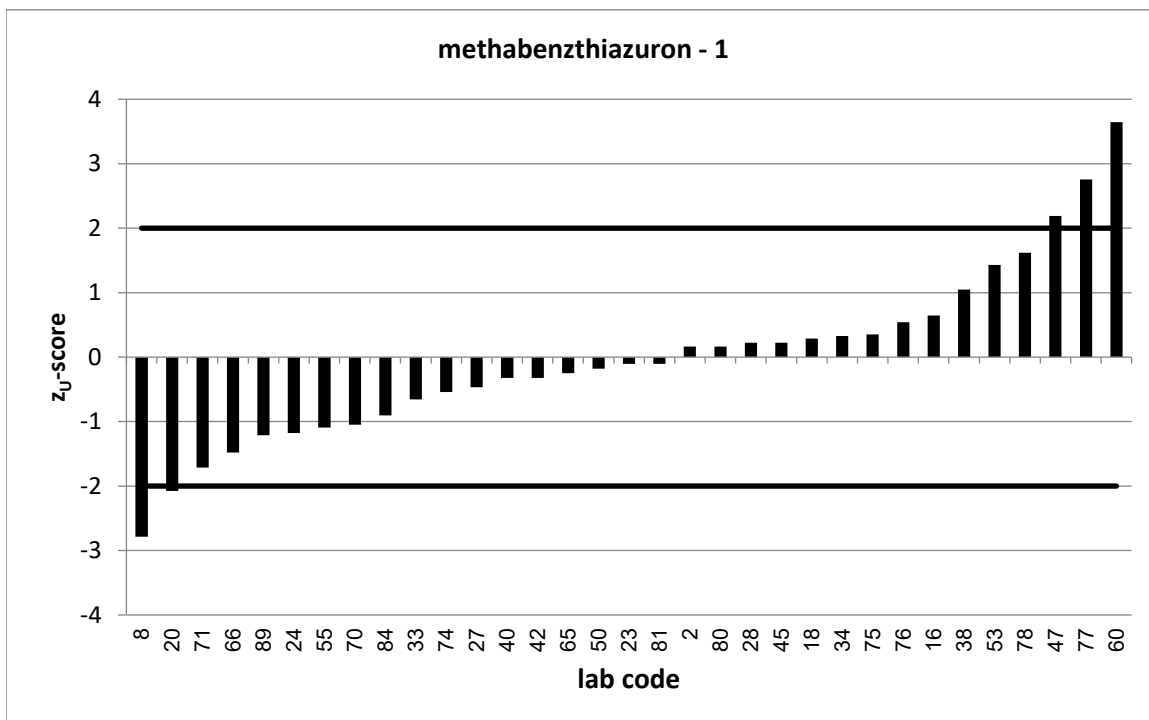
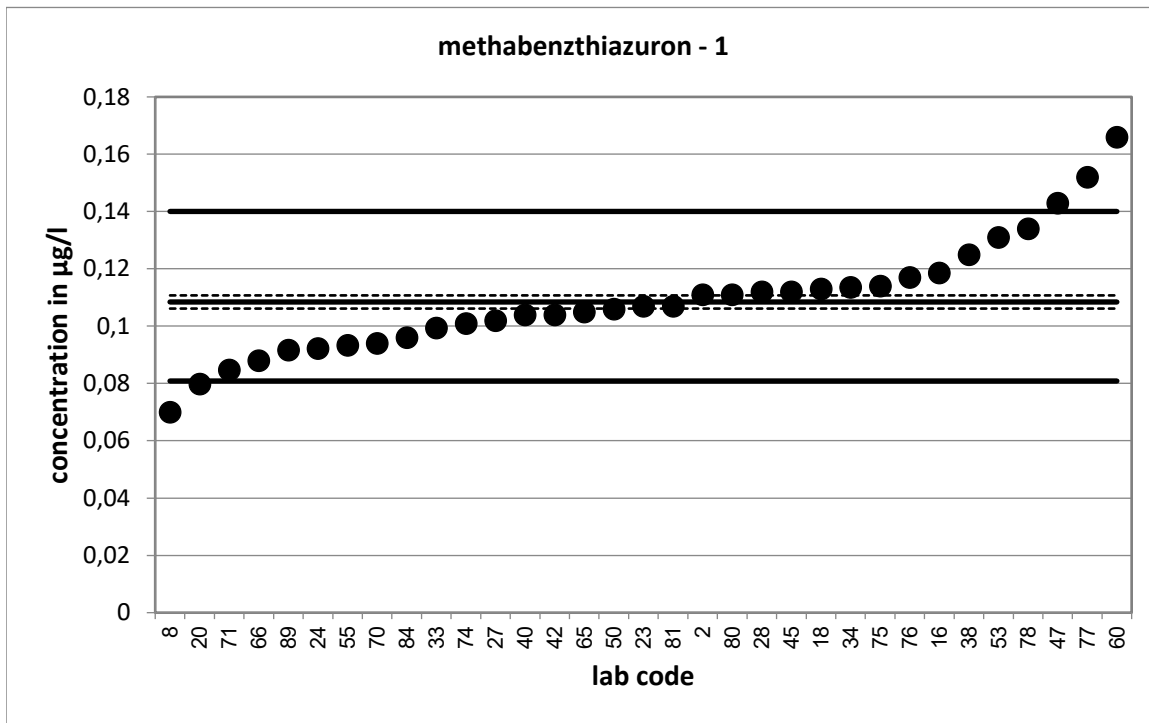


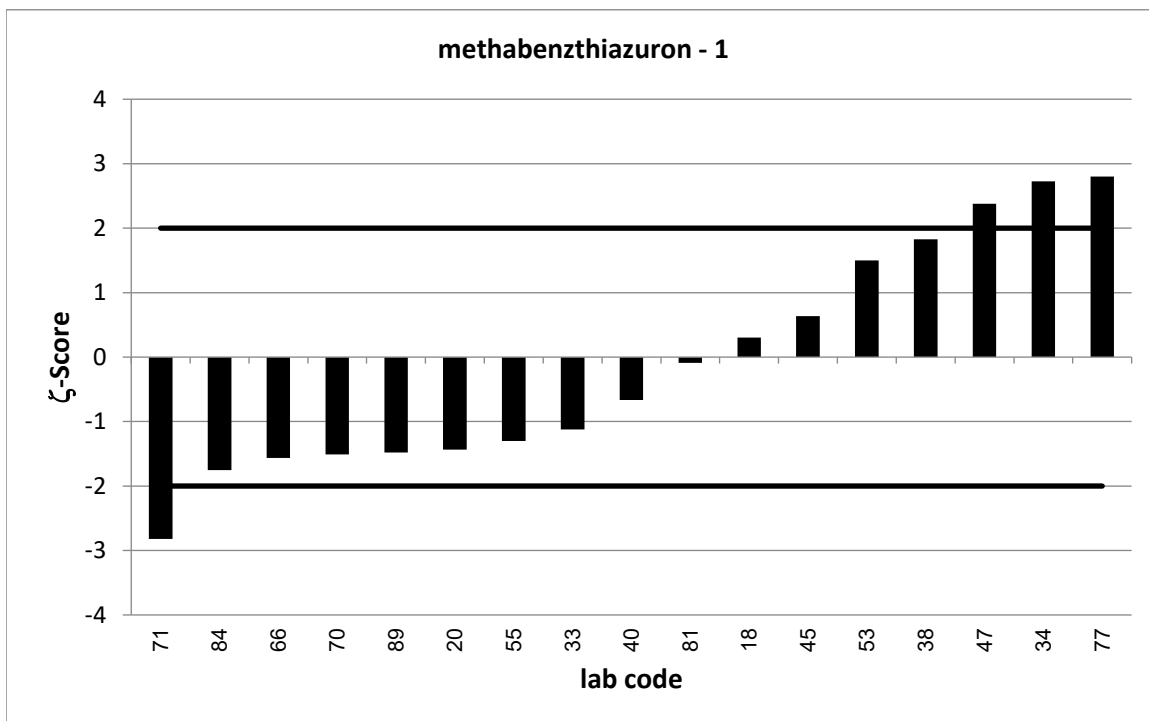
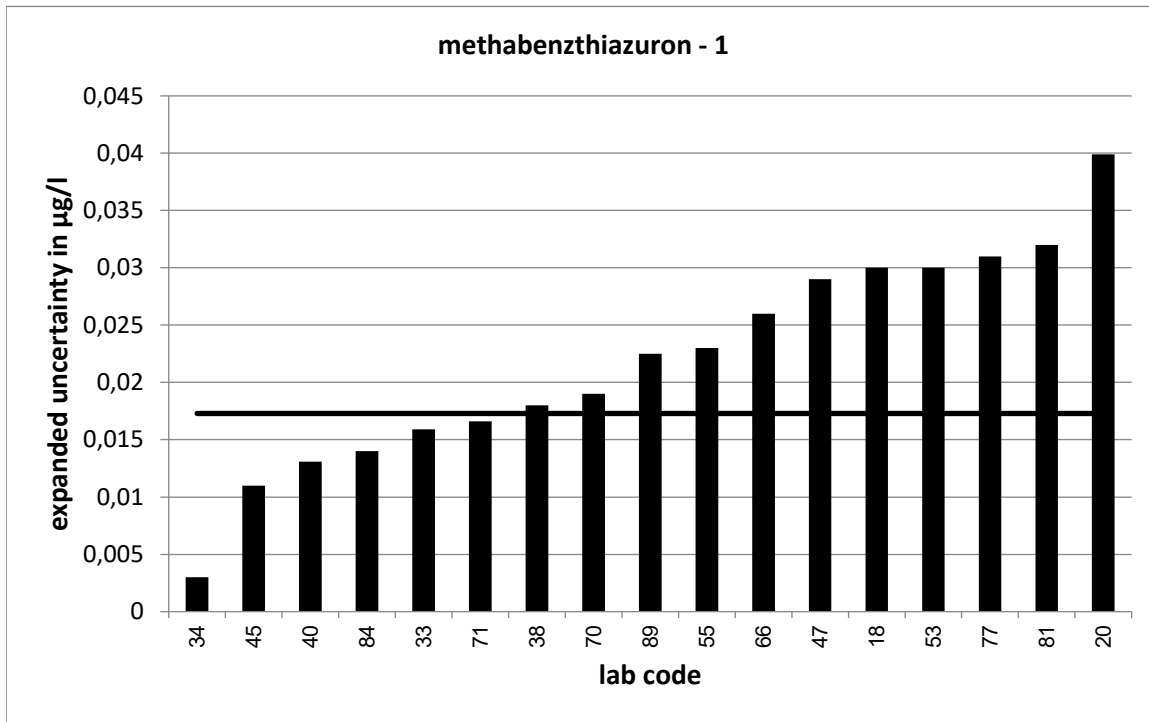


PT 7/20- TW O1		methabenzthiazuron - 1			
assigned value [$\mu\text{g/l}$]*		0,1084 \pm 0,0023			
upper tolerance limit [$\mu\text{g/l}$]		0,14			
lower tolerance limit [$\mu\text{g/l}$]		0,08086			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,111			0,2	s
8	0,07			-2,8	q
16	0,1186			0,6	s
18	0,113	0,03	0,3	0,3	s
20	0,0798	0,04	-1,4	-2,1	q
23	0,107			-0,1	s
24	0,0922			-1,2	s
27	0,102			-0,5	s
28	0,112			0,2	s
33	0,0994	0,016	-1,1	-0,7	s
34	0,1136	0,003	2,7	0,3	s
38	0,125	0,018	1,8	1,0	s
40	0,104	0,013	-0,7	-0,3	s
42	0,104			-0,3	s
45	0,112	0,011	0,6	0,2	s
47	0,143	0,029	2,4	2,2	q
50	0,106			-0,2	s
53	0,131	0,03	1,5	1,4	s
55	0,0934	0,023	-1,3	-1,1	s
60	0,166			3,6	u
65	0,105			-0,2	s
66	0,088	0,026	-1,6	-1,5	s
70	0,094	0,019	-1,5	-1,0	s
71	0,0848	0,017	-2,8	-1,7	s
74	0,101			-0,5	s
75	0,114			0,4	s
76	0,117			0,5	s
77	0,152	0,031	2,8	2,8	q
78	0,134			1,6	s
80	0,111			0,2	s
81	0,107	0,032	-0,1	-0,1	s
84	0,096	0,014	-1,8	-0,9	s
89	0,0917	0,023	-1,5	-1,2	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

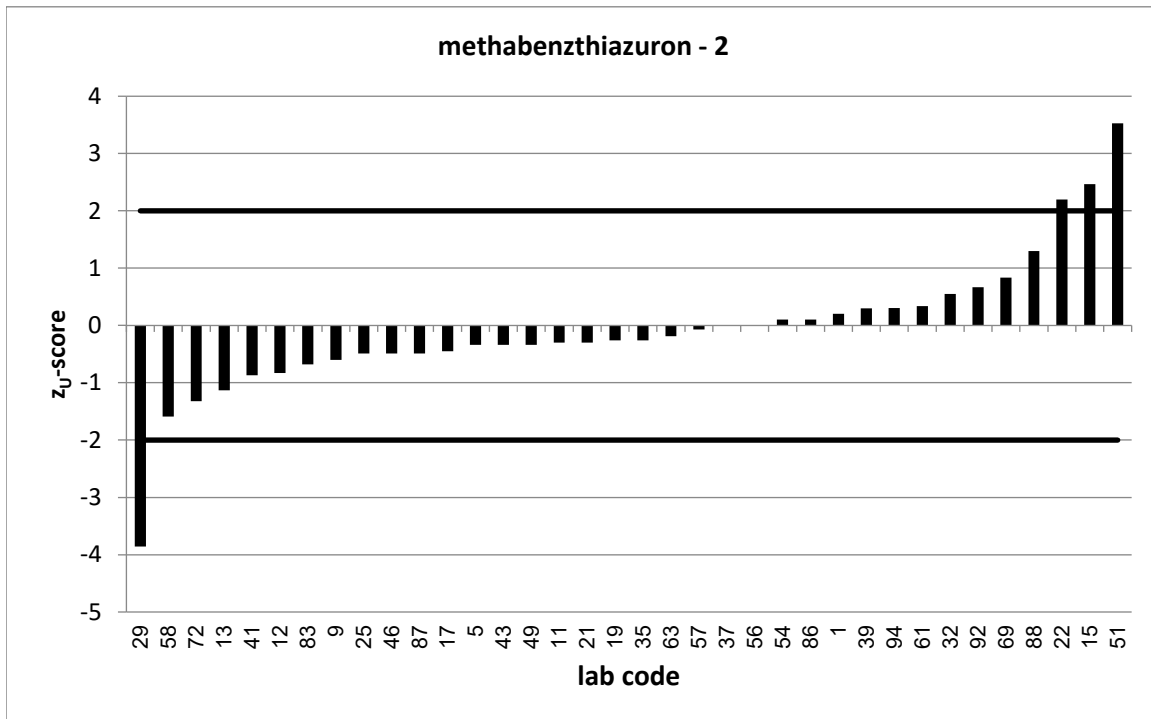
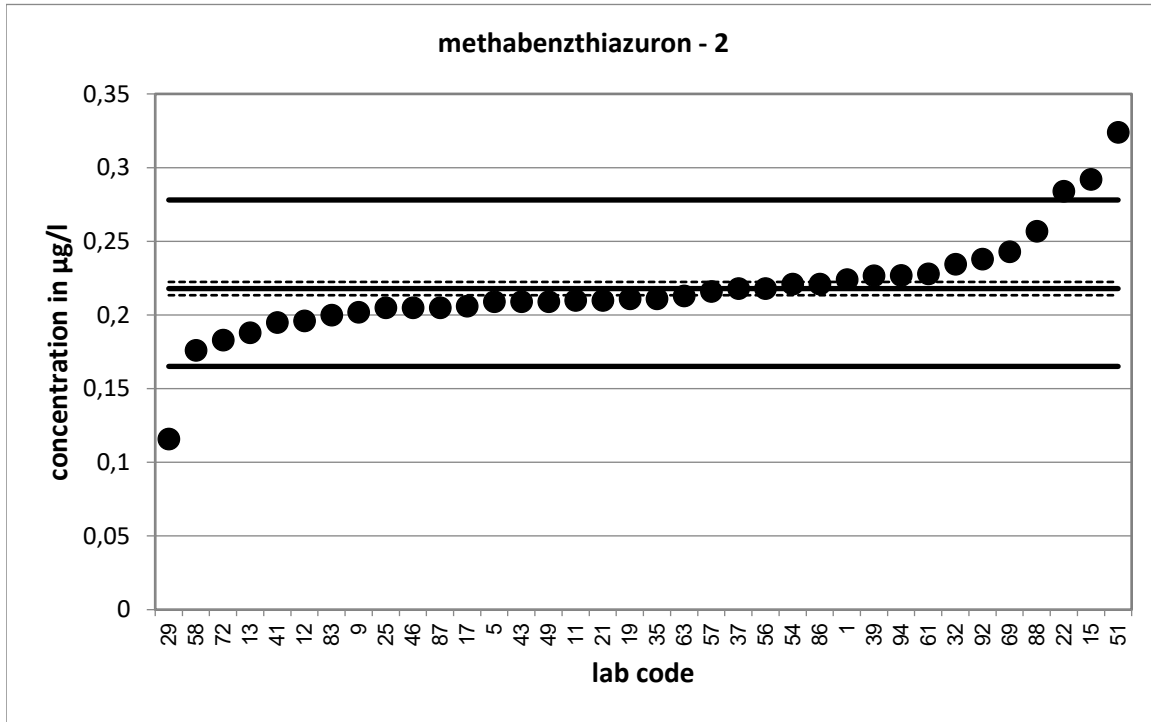


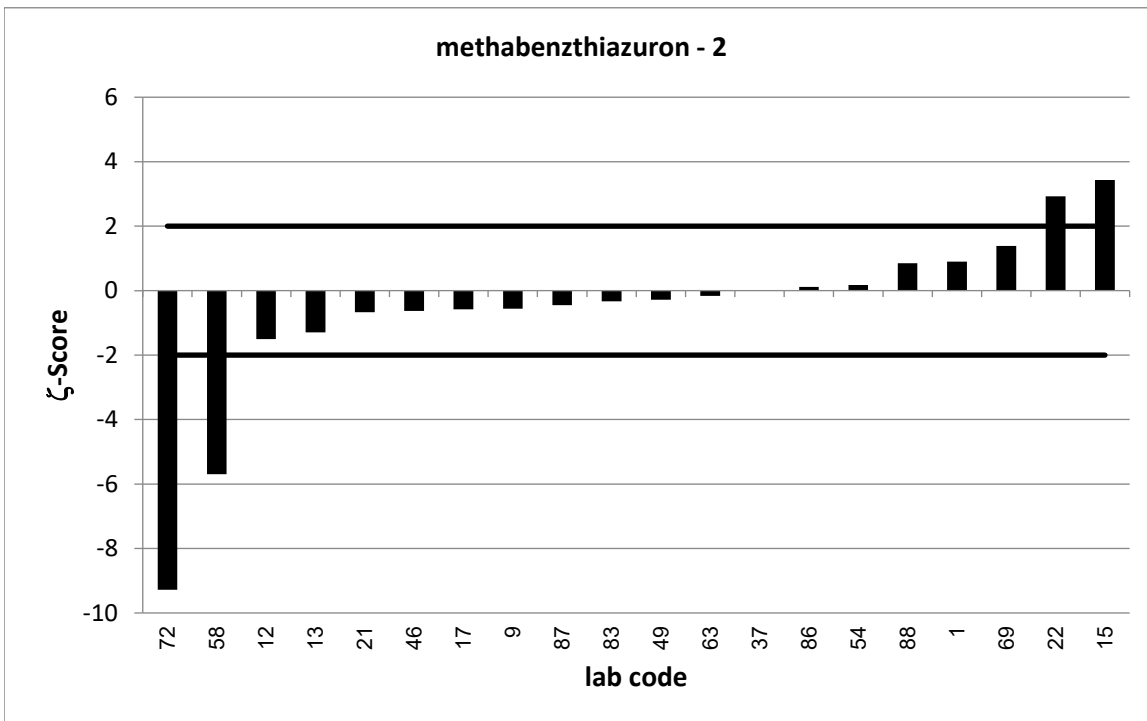
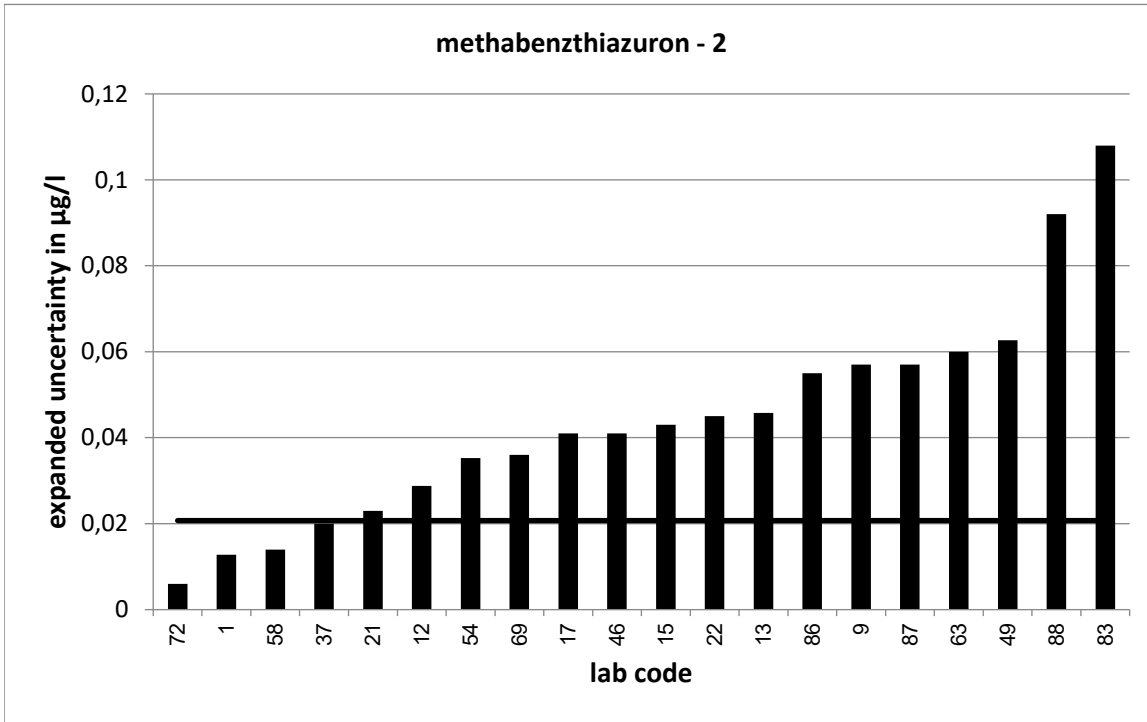


PT 7/20- TW O1		methabenzthiazuron - 2			
assigned value [$\mu\text{g/l}$]*		0,2179 \pm 0,0045			
upper tolerance limit [$\mu\text{g/l}$]		0,278			
lower tolerance limit [$\mu\text{g/l}$]		0,1651			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,224	0,013	0,9	0,2	s
5	0,209			-0,3	s
9	0,202	0,057	-0,6	-0,6	s
11	0,21			-0,3	s
12	0,196	0,029	-1,5	-0,8	s
13	0,188	0,046	-1,3	-1,1	s
15	0,292	0,043	3,4	2,5	q
17	0,206	0,041	-0,6	-0,5	s
19	0,211			-0,3	s
21	0,21	0,023	-0,7	-0,3	s
22	0,284	0,045	2,9	2,2	q
25	0,205			-0,5	s
29	0,116			-3,9	u
32	0,2345			0,6	s
35	0,211			-0,3	s
37	0,218	0,02	0,0	0,0	s
39	0,2268			0,3	s
41	0,195			-0,9	s
43	0,209			-0,3	s
46	0,205	0,041	-0,6	-0,5	s
49	0,209	0,063	-0,3	-0,3	s
51	0,324			3,5	u
54	0,221	0,035	0,2	0,1	s
56	0,218			0,0	s
57	0,216			-0,1	s
58	0,176	0,014	-5,7	-1,6	s
61	0,228			0,3	s
63	0,213	0,06	-0,2	-0,2	s
69	0,243	0,036	1,4	0,8	s
72	0,183	0,006	-9,3	-1,3	s
83	0,2	0,108	-0,3	-0,7	s
86	0,221	0,055	0,1	0,1	s
87	0,205	0,057	-0,5	-0,5	s
88	0,257	0,092	0,8	1,3	s
92	0,238			0,7	s
94	0,227			0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

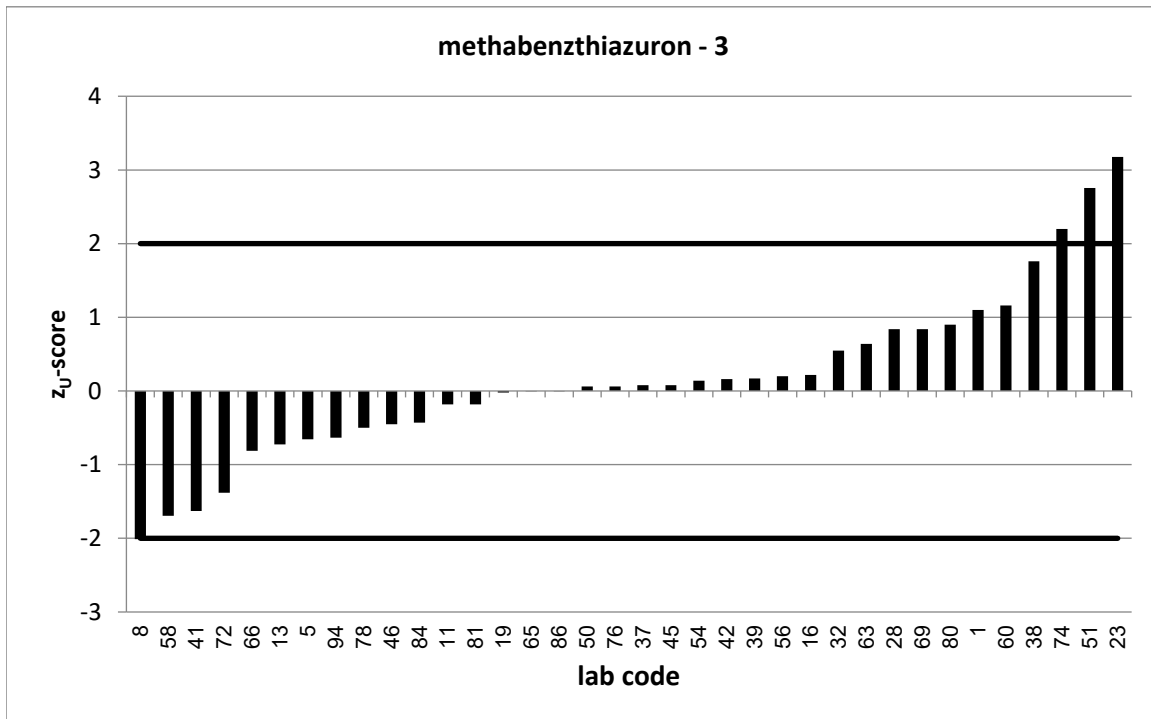
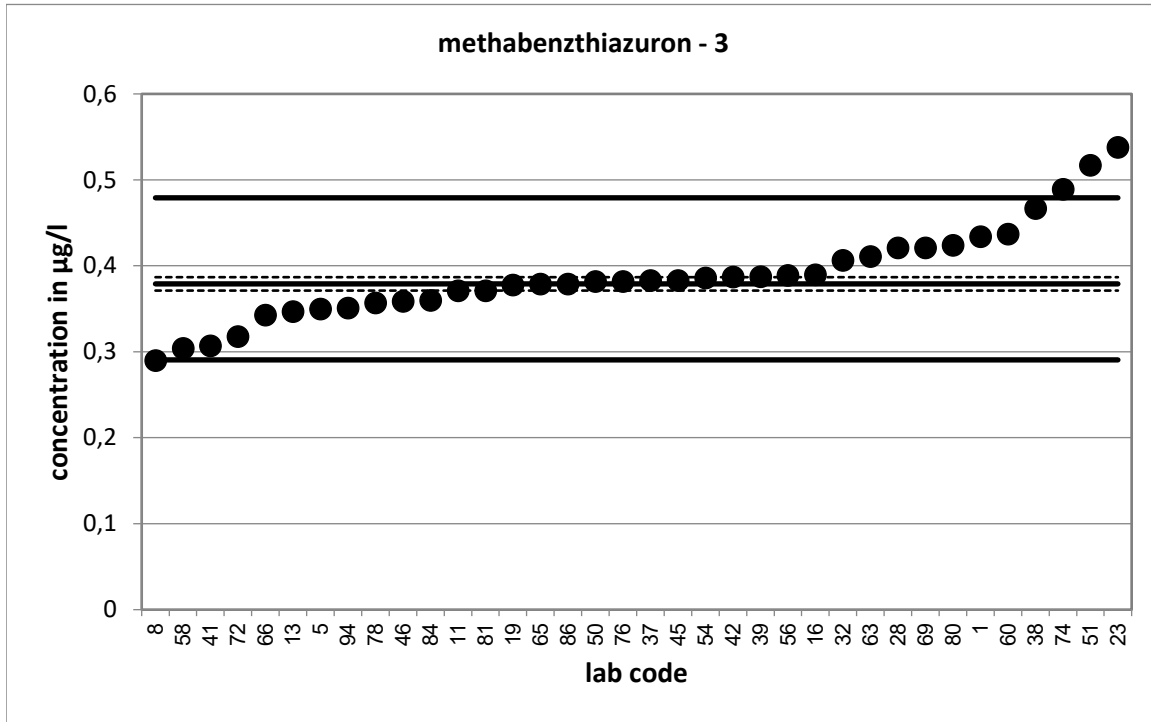


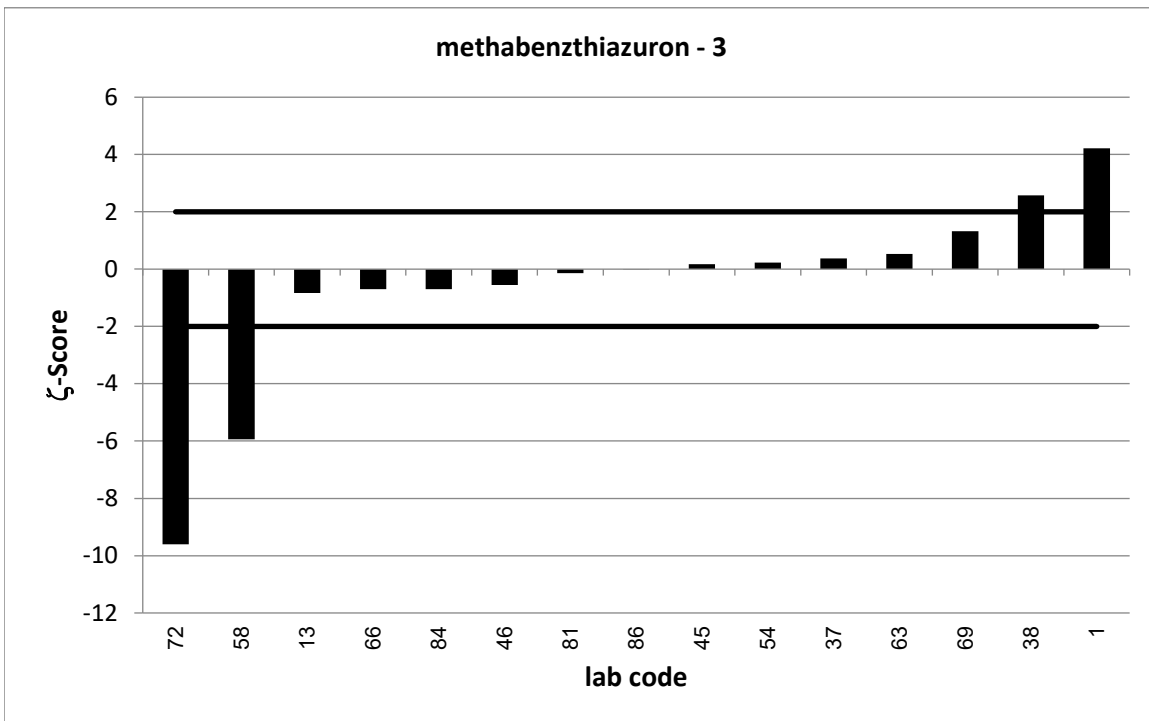
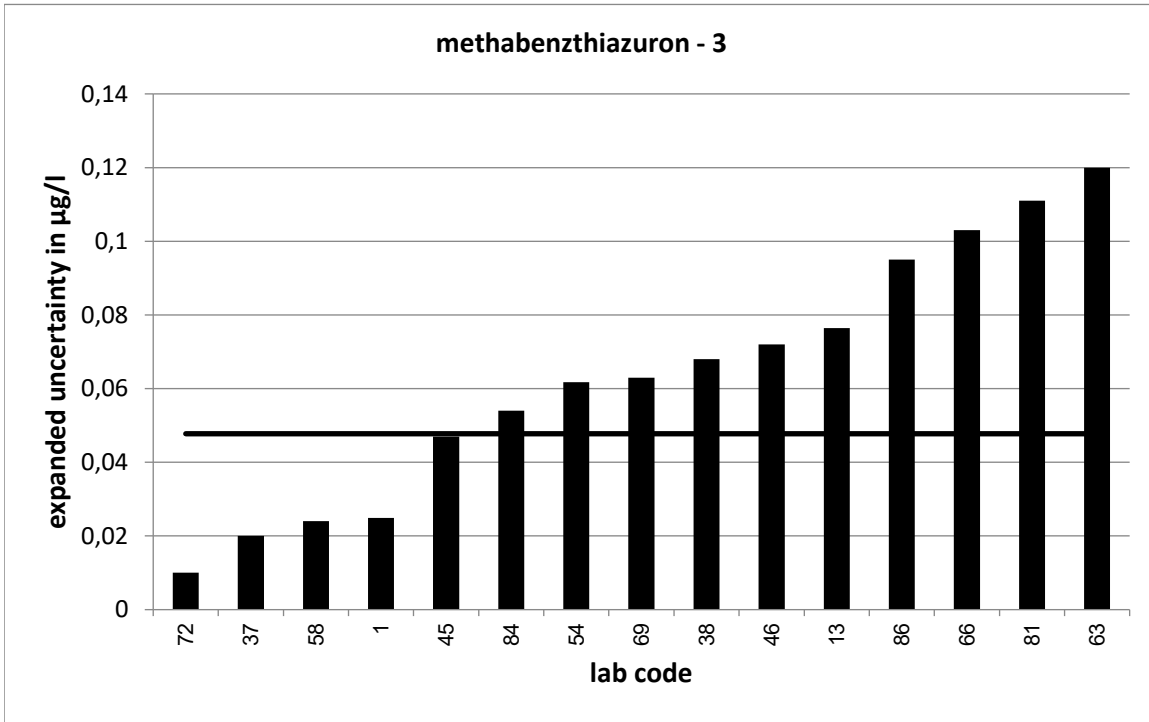


PT 7/20- TW O1		methabenzthiazuron - 3			
assigned value [$\mu\text{g/l}$]*		0,379 \pm 0,0078			
upper tolerance limit [$\mu\text{g/l}$]		0,4791			
lower tolerance limit [$\mu\text{g/l}$]		0,2906			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,434	0,025	4,2	1,1	s
5	0,35			-0,7	s
8	0,29			-2,0	s
11	0,371			-0,2	s
13	0,347	0,076	-0,8	-0,7	s
16	0,3898			0,2	s
19	0,378			0,0	s
23	0,538			3,2	u
28	0,421			0,8	s
32	0,4064			0,5	s
37	0,383	0,02	0,4	0,1	s
38	0,467	0,068	2,6	1,8	s
39	0,3875			0,2	s
41	0,307			-1,6	s
42	0,387			0,2	s
45	0,383	0,047	0,2	0,1	s
46	0,359	0,072	-0,6	-0,5	s
50	0,382			0,1	s
51	0,517			2,8	q
54	0,386	0,062	0,2	0,1	s
56	0,389			0,2	s
58	0,304	0,024	-5,9	-1,7	s
60	0,437			1,2	s
63	0,411	0,12	0,5	0,6	s
65	0,379			0,0	s
66	0,343	0,103	-0,7	-0,8	s
69	0,421	0,063	1,3	0,8	s
72	0,318	0,01	-9,6	-1,4	s
74	0,489			2,2	q
76	0,382			0,1	s
78	0,357			-0,5	s
80	0,424			0,9	s
81	0,371	0,111	-0,1	-0,2	s
84	0,36	0,054	-0,7	-0,4	s
86	0,379	0,095	0,0	0,0	s
94	0,351			-0,6	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

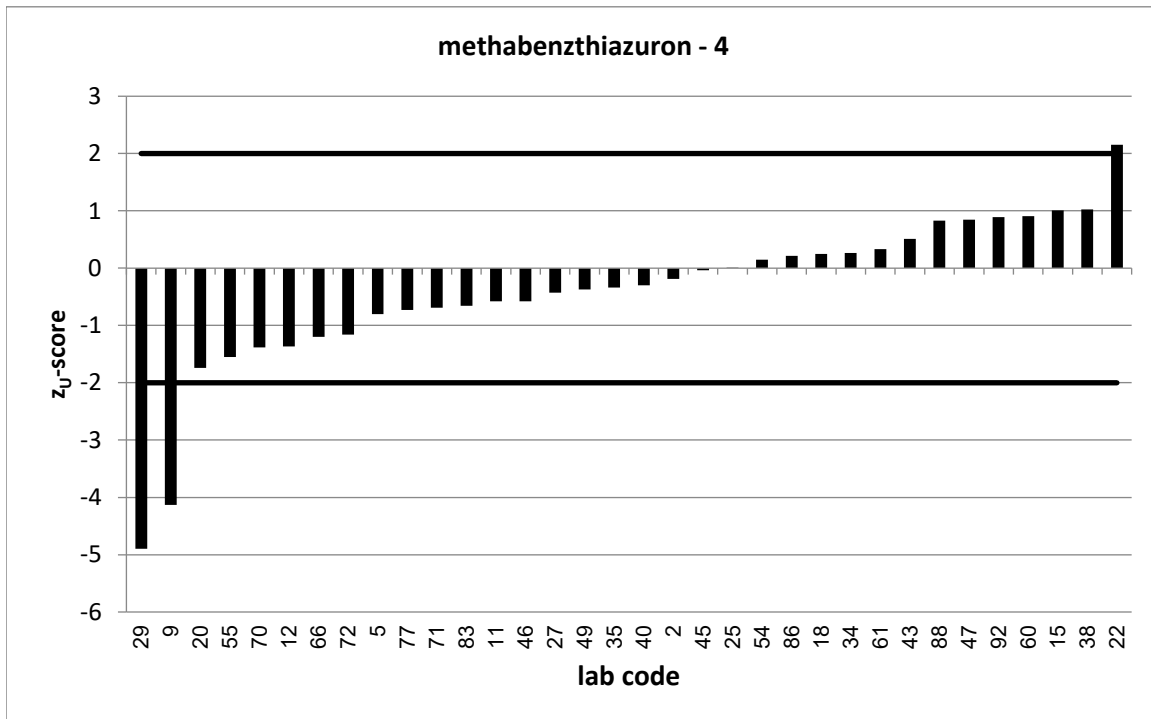
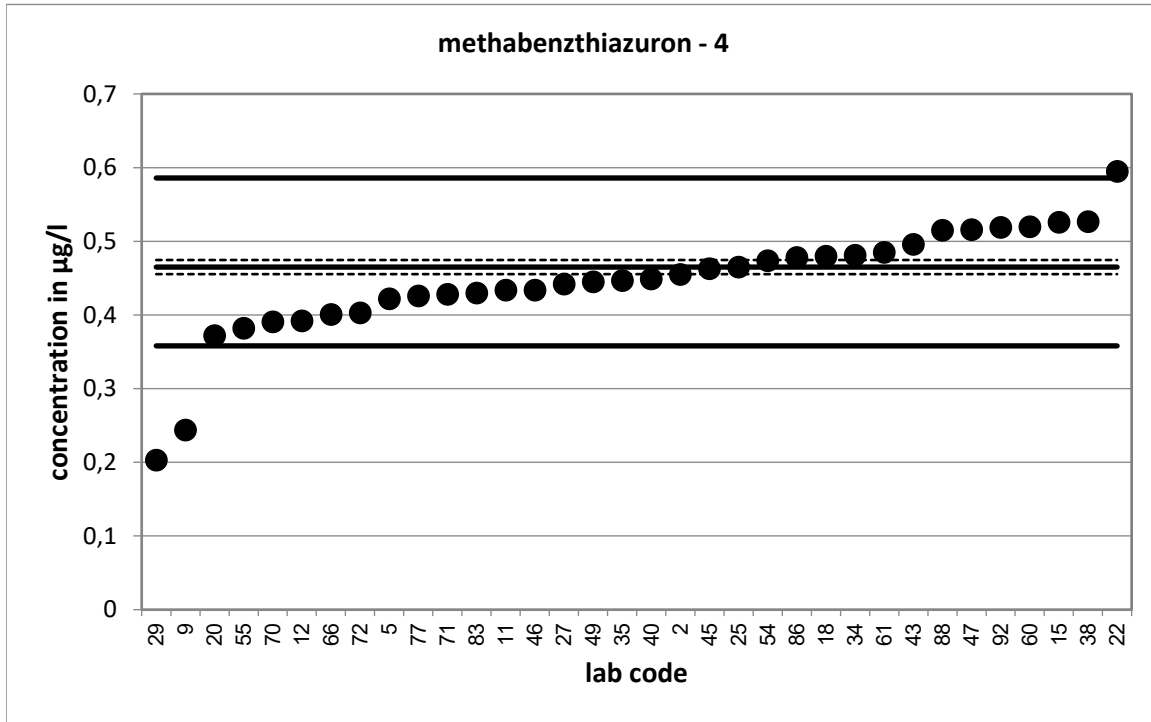


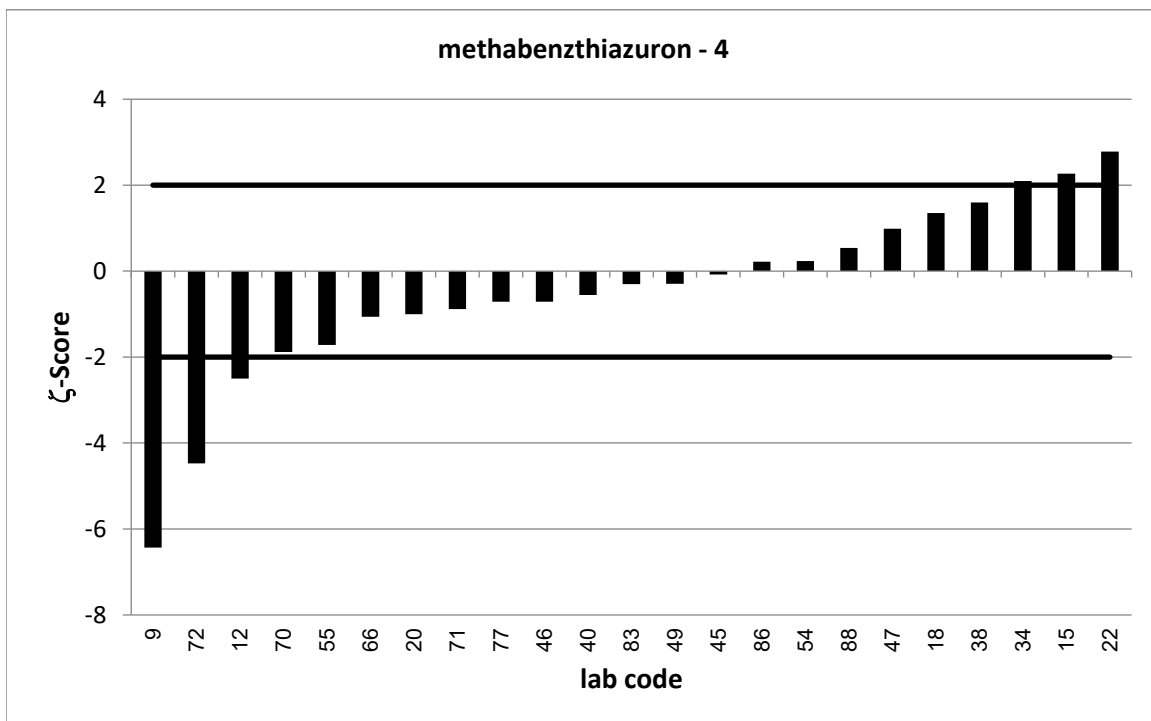
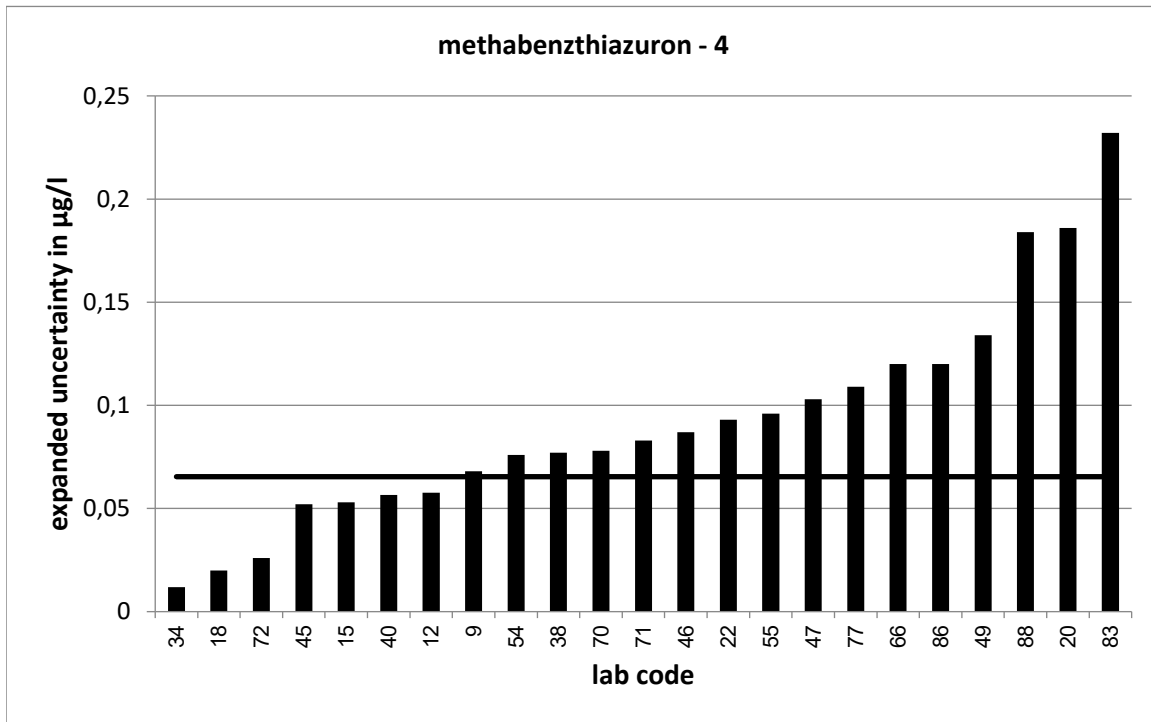


PT 7/20- TW O1		methabenzthiazuron - 4			
assigned value [$\mu\text{g/l}$]*		0,465 \pm 0,0096			
upper tolerance limit [$\mu\text{g/l}$]		0,5859			
lower tolerance limit [$\mu\text{g/l}$]		0,358			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,455			-0,2	s
5	0,422			-0,8	s
9	0,244	0,068	-6,4	-4,1	u
11	0,434			-0,6	s
12	0,392	0,058	-2,5	-1,4	s
15	0,526	0,053	2,3	1,0	s
18	0,48	0,02	1,4	0,2	s
20	0,372	0,186	-1,0	-1,7	s
22	0,595	0,093	2,8	2,2	q
25	0,465			0,0	s
27	0,442			-0,4	s
29	0,203			-4,9	u
34	0,481	0,012	2,1	0,3	s
35	0,447			-0,3	s
38	0,527	0,077	1,6	1,0	s
40	0,449	0,057	-0,6	-0,3	s
43	0,496			0,5	s
45	0,463	0,052	-0,1	0,0	s
46	0,434	0,087	-0,7	-0,6	s
47	0,516	0,103	1,0	0,8	s
49	0,445	0,134	-0,3	-0,4	s
54	0,474	0,076	0,2	0,1	s
55	0,382	0,096	-1,7	-1,6	s
60	0,52			0,9	s
61	0,485			0,3	s
66	0,401	0,12	-1,1	-1,2	s
70	0,391	0,078	-1,9	-1,4	s
71	0,428	0,083	-0,9	-0,7	s
72	0,403	0,026	-4,5	-1,2	s
77	0,426	0,109	-0,7	-0,7	s
83	0,43	0,232	-0,3	-0,7	s
86	0,478	0,12	0,2	0,2	s
88	0,515	0,184	0,5	0,8	s
92	0,519			0,9	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

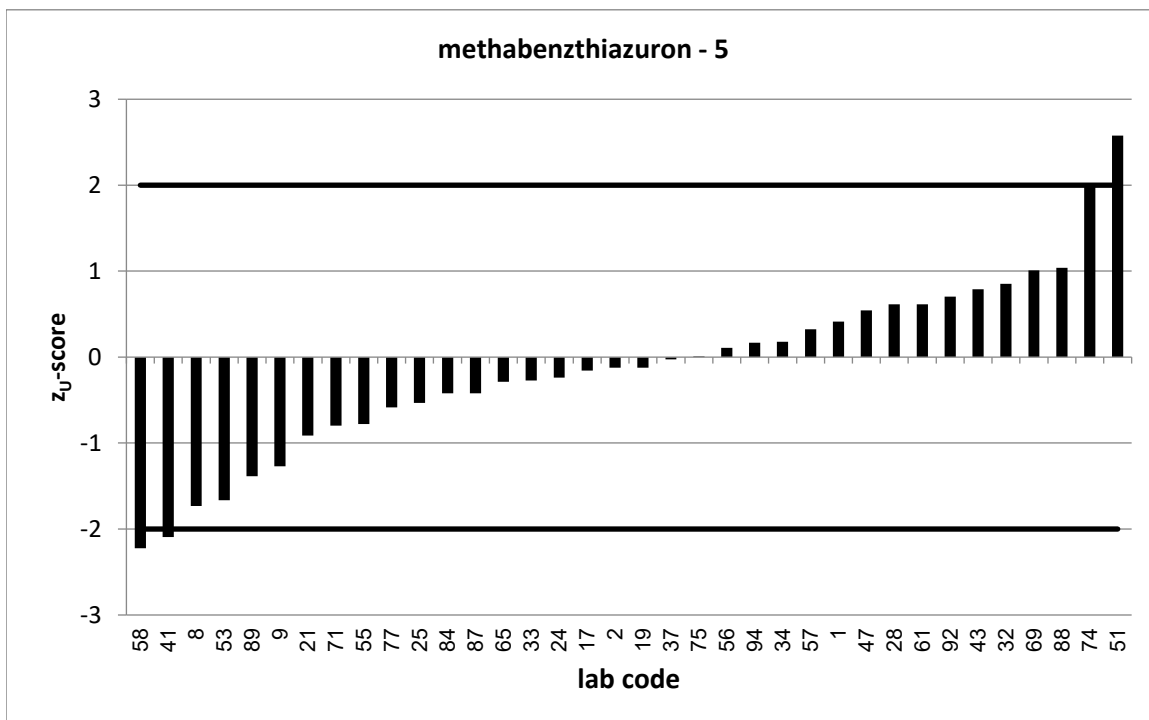
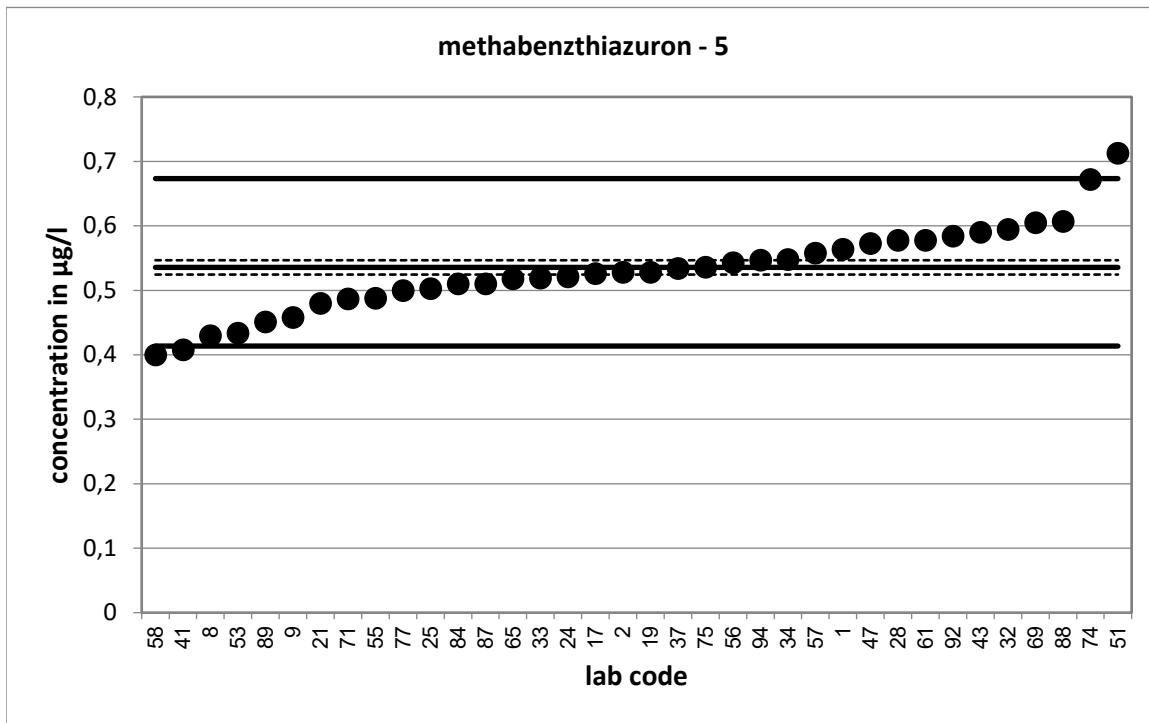


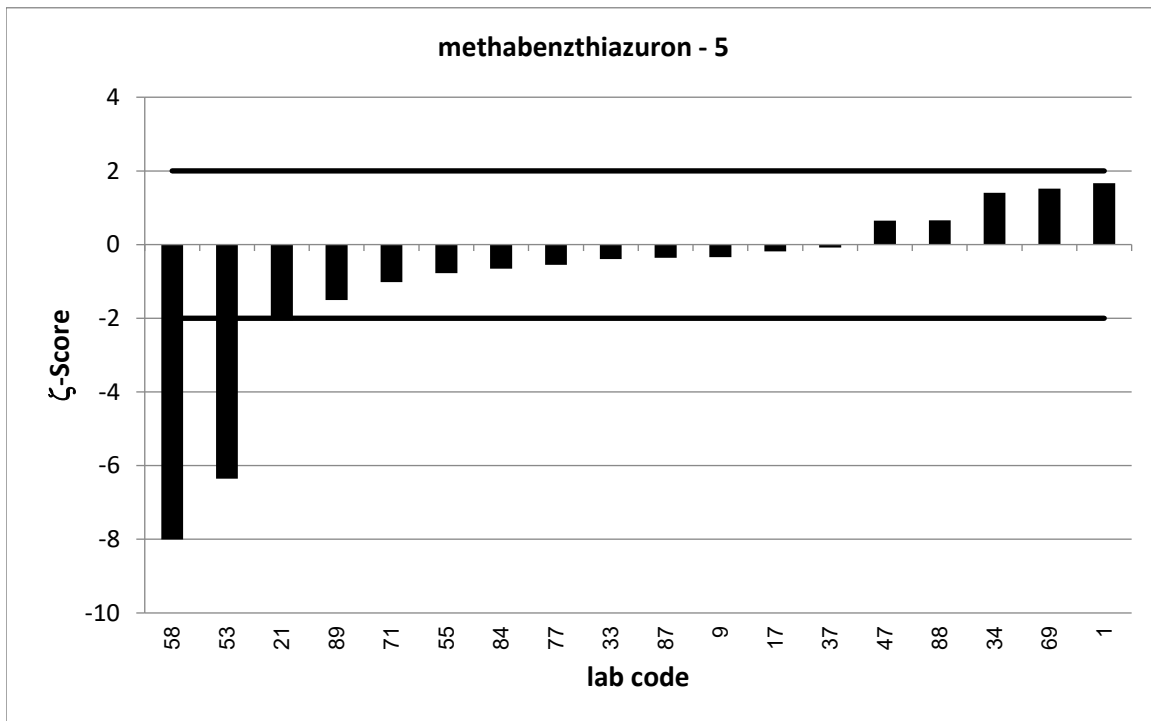
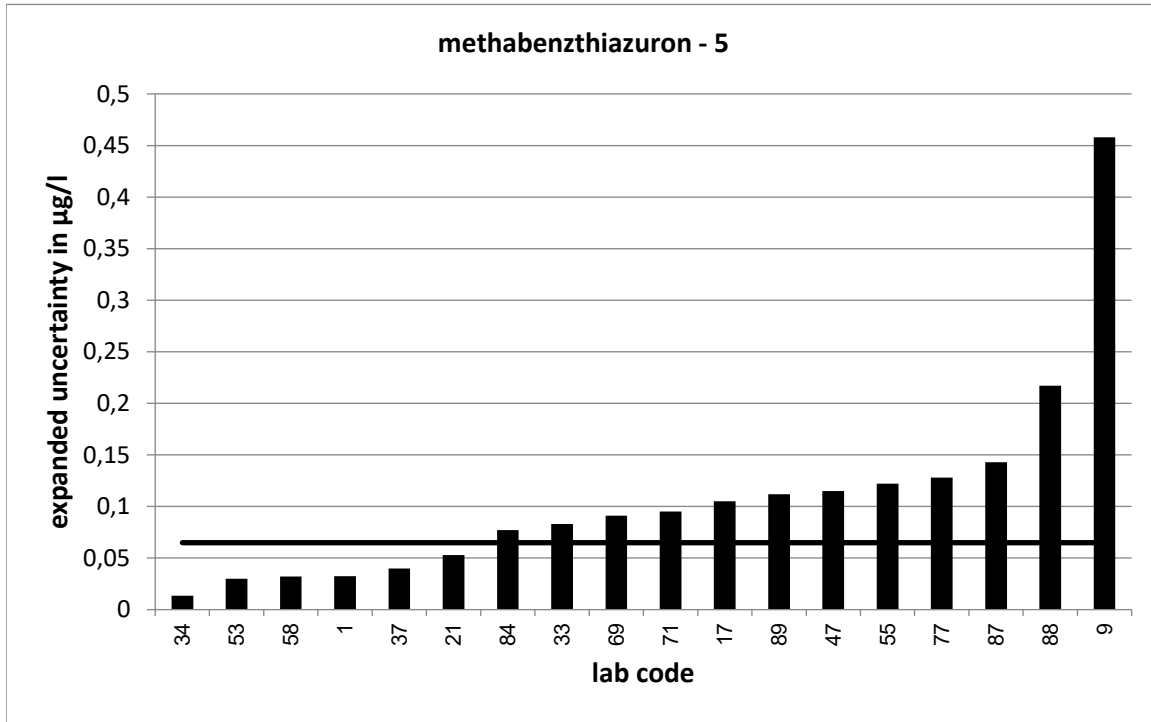


PT 7/20- TW O1		methabenzthiazuron - 5			
assigned value [$\mu\text{g/l}$]*		0,5356 \pm 0,0111			
upper tolerance limit [$\mu\text{g/l}$]		0,6733			
lower tolerance limit [$\mu\text{g/l}$]		0,4136			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,564	0,032	1,7	0,4	s
2	0,528			-0,1	s
8	0,43			-1,7	s
9	0,458	0,458	-0,3	-1,3	s
17	0,526	0,105	-0,2	-0,2	s
19	0,528			-0,1	s
21	0,48	0,053	-2,1	-0,9	s
24	0,521			-0,2	s
25	0,503			-0,5	s
28	0,578			0,6	s
32	0,5944			0,9	s
33	0,519	0,083	-0,4	-0,3	s
34	0,5479	0,014	1,4	0,2	s
37	0,534	0,04	-0,1	0,0	s
41	0,408			-2,1	q
43	0,59			0,8	s
47	0,573	0,115	0,6	0,5	s
51	0,713			2,6	q
53	0,434	0,03	-6,4	-1,7	s
55	0,488	0,122	-0,8	-0,8	s
56	0,543			0,1	s
57	0,558			0,3	s
58	0,4	0,032	-8,0	-2,2	q
61	0,578			0,6	s
65	0,518			-0,3	s
69	0,605	0,091	1,5	1,0	s
71	0,487	0,095	-1,0	-0,8	s
74	0,672			2,0	s
75	0,5362			0,0	s
77	0,5	0,128	-0,6	-0,6	s
84	0,51	0,077	-0,7	-0,4	s
87	0,51	0,143	-0,4	-0,4	s
88	0,607	0,217	0,7	1,0	s
89	0,451	0,112	-1,5	-1,4	s
92	0,584			0,7	s
94	0,547			0,2	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

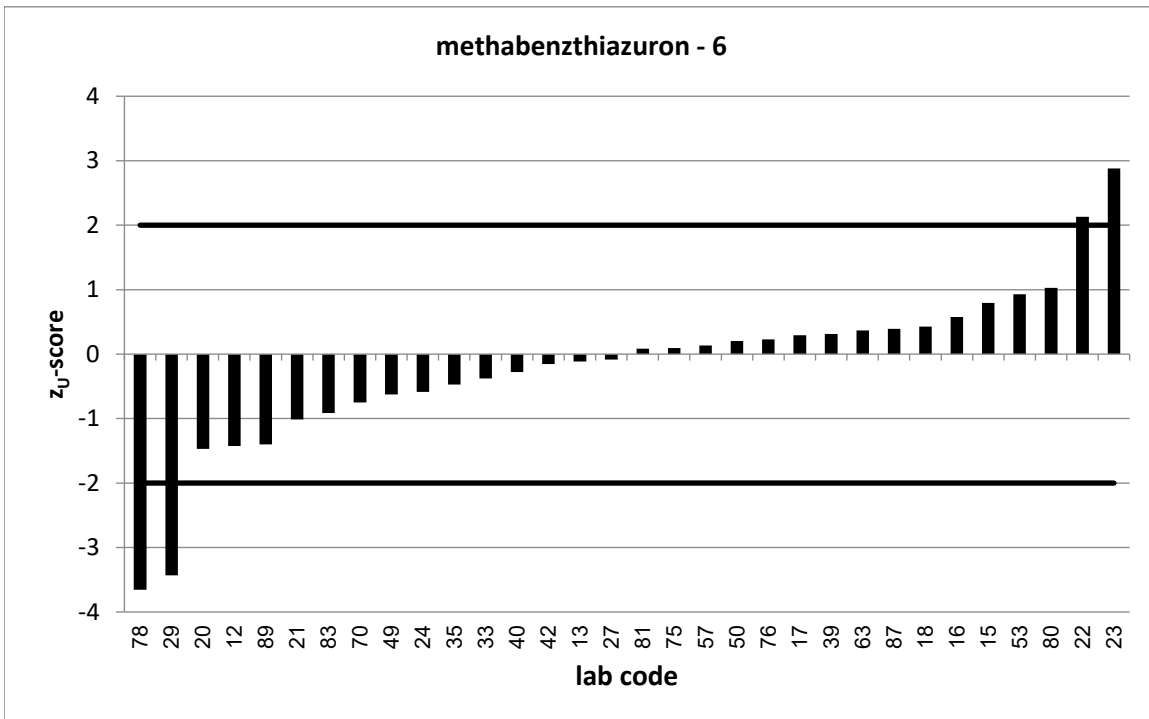
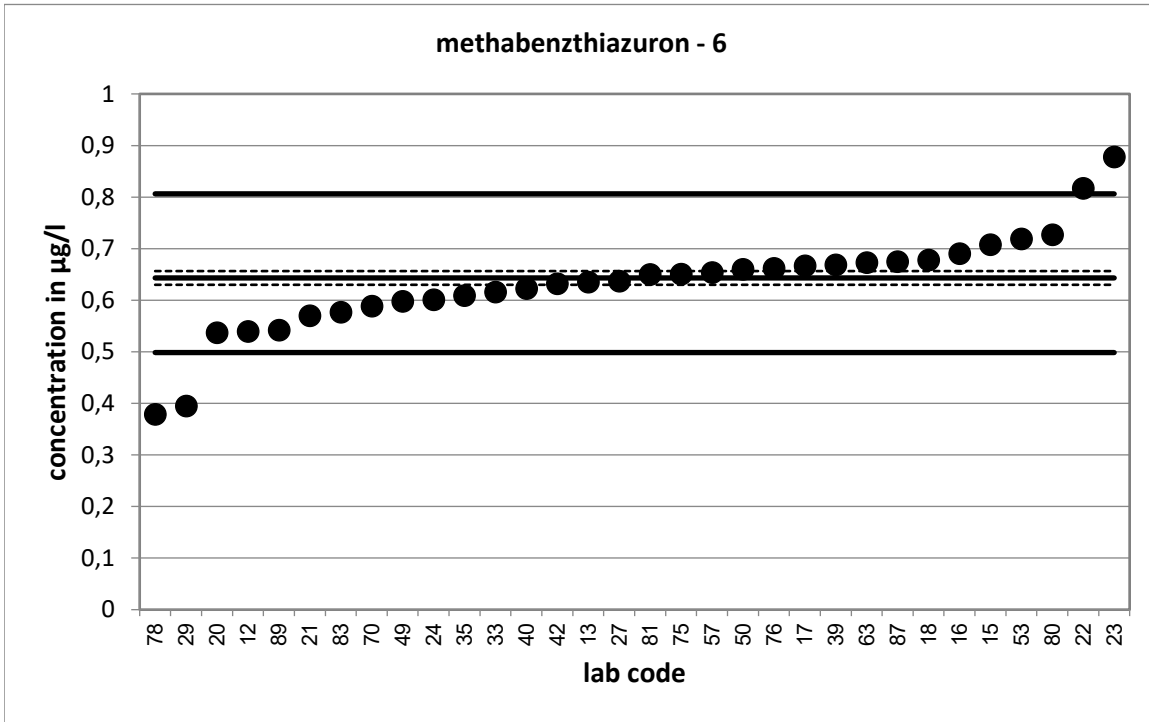


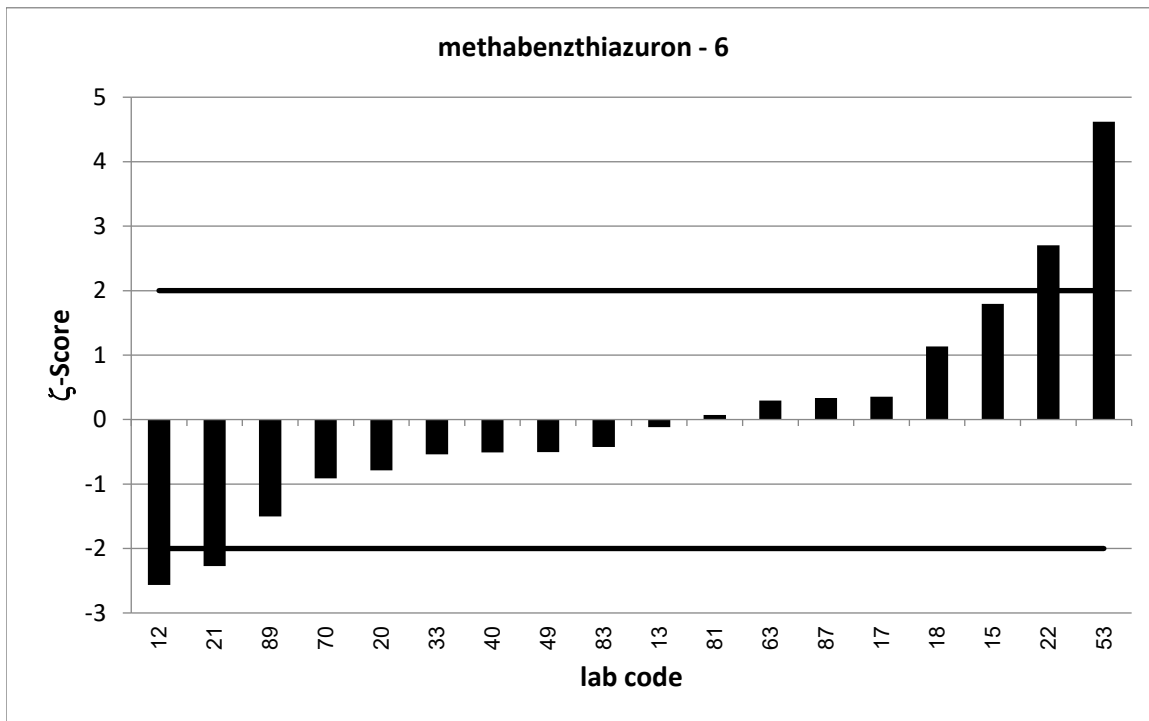
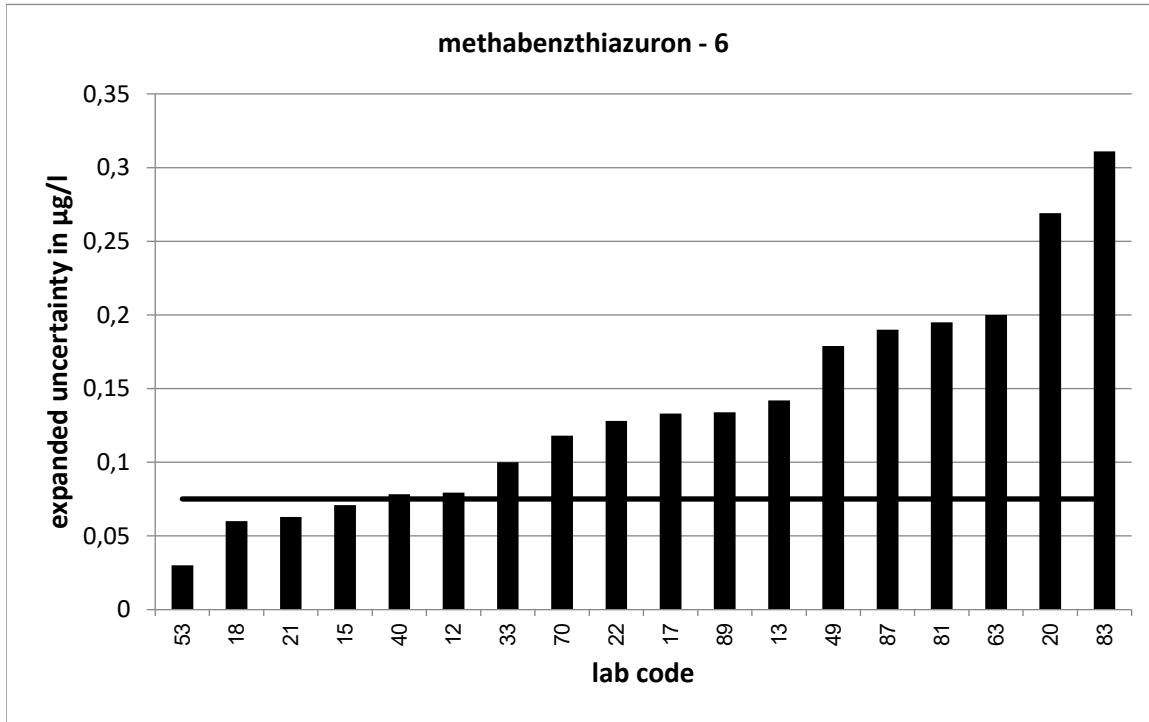


PT 7/20- TW O1		methabenzthiazuron - 6			
assigned value [$\mu\text{g/l}$]*		0,6432 \pm 0,0133			
upper tolerance limit [$\mu\text{g/l}$]		0,8063			
lower tolerance limit [$\mu\text{g/l}$]		0,4985			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
12	0,54	0,079	-2,6	-1,4	s
13	0,635	0,142	-0,1	-0,1	s
15	0,708	0,071	1,8	0,8	s
16	0,6903			0,6	s
17	0,667	0,133	0,4	0,3	s
18	0,678	0,06	1,1	0,4	s
20	0,537	0,269	-0,8	-1,5	s
21	0,57	0,063	-2,3	-1,0	s
22	0,817	0,128	2,7	2,1	q
23	0,878			2,9	q
24	0,601			-0,6	s
27	0,637			-0,1	s
29	0,395			-3,4	u
33	0,616	0,1	-0,5	-0,4	s
35	0,609			-0,5	s
39	0,6686			0,3	s
40	0,623	0,078	-0,5	-0,3	s
42	0,632			-0,2	s
49	0,598	0,179	-0,5	-0,6	s
50	0,66			0,2	s
53	0,719	0,03	4,6	0,9	s
57	0,654			0,1	s
63	0,673	0,2	0,3	0,4	s
70	0,589	0,118	-0,9	-0,7	s
75	0,6511			0,1	s
76	0,662			0,2	s
78	0,379			-3,7	u
80	0,727			1,0	s
81	0,65	0,195	0,1	0,1	s
83	0,577	0,311	-0,4	-0,9	s
87	0,675	0,19	0,3	0,4	s
89	0,542	0,134	-1,5	-1,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

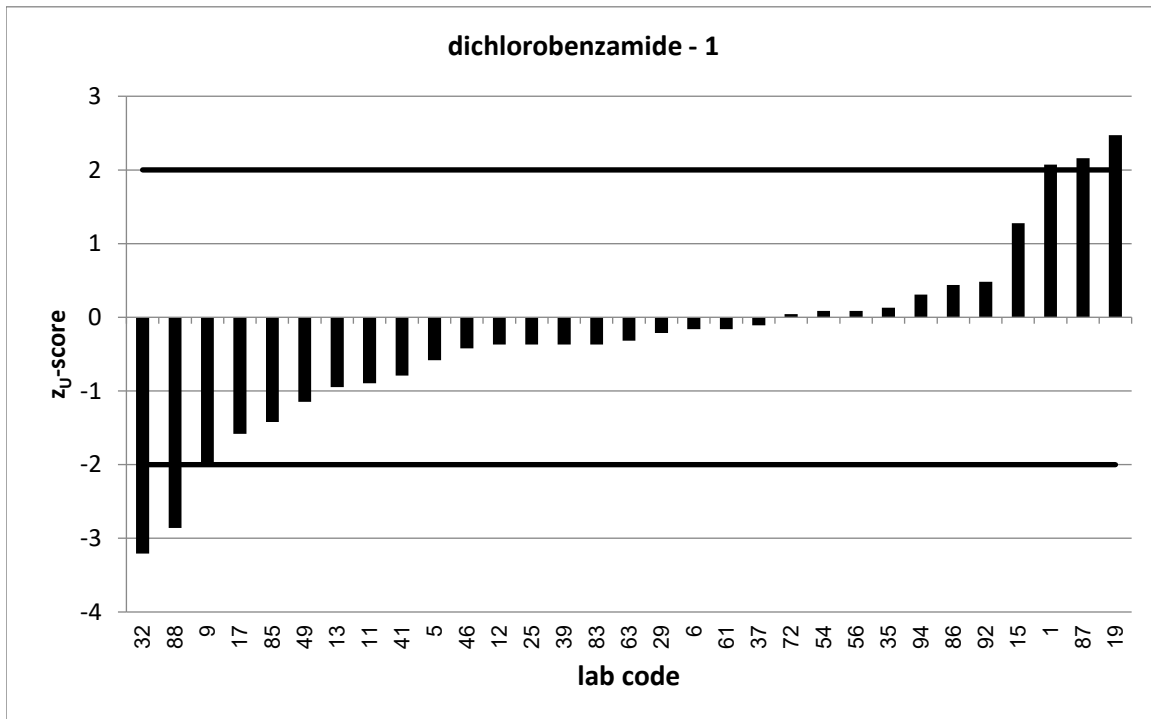
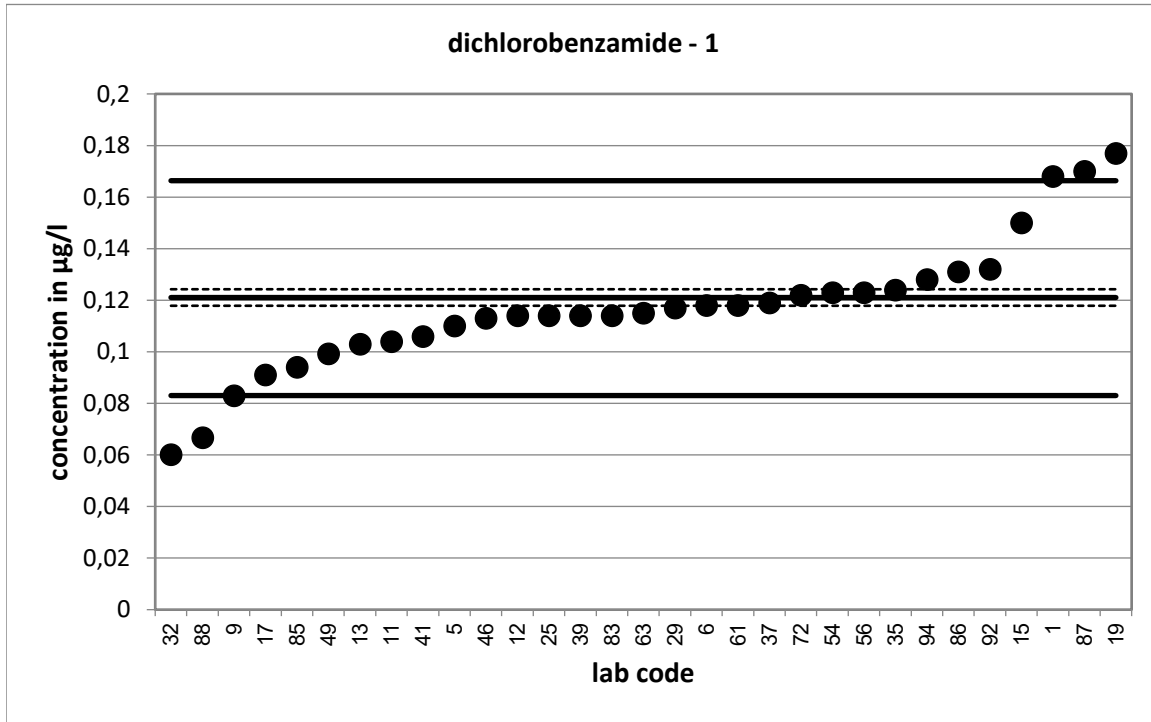


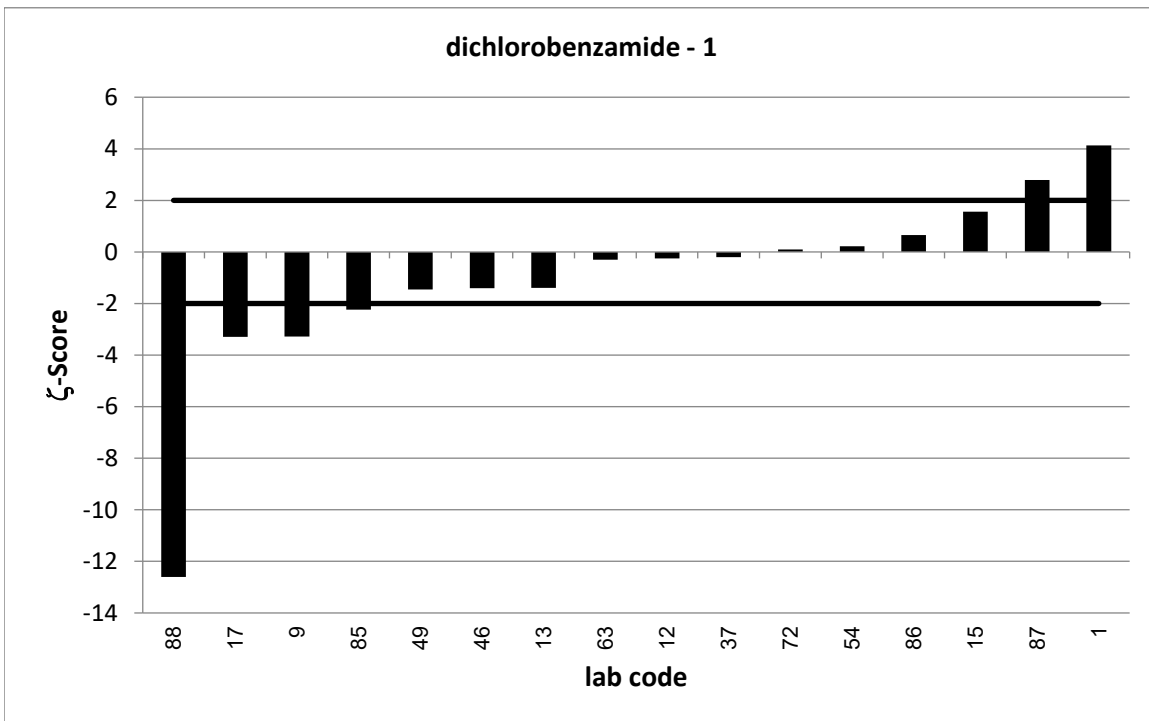
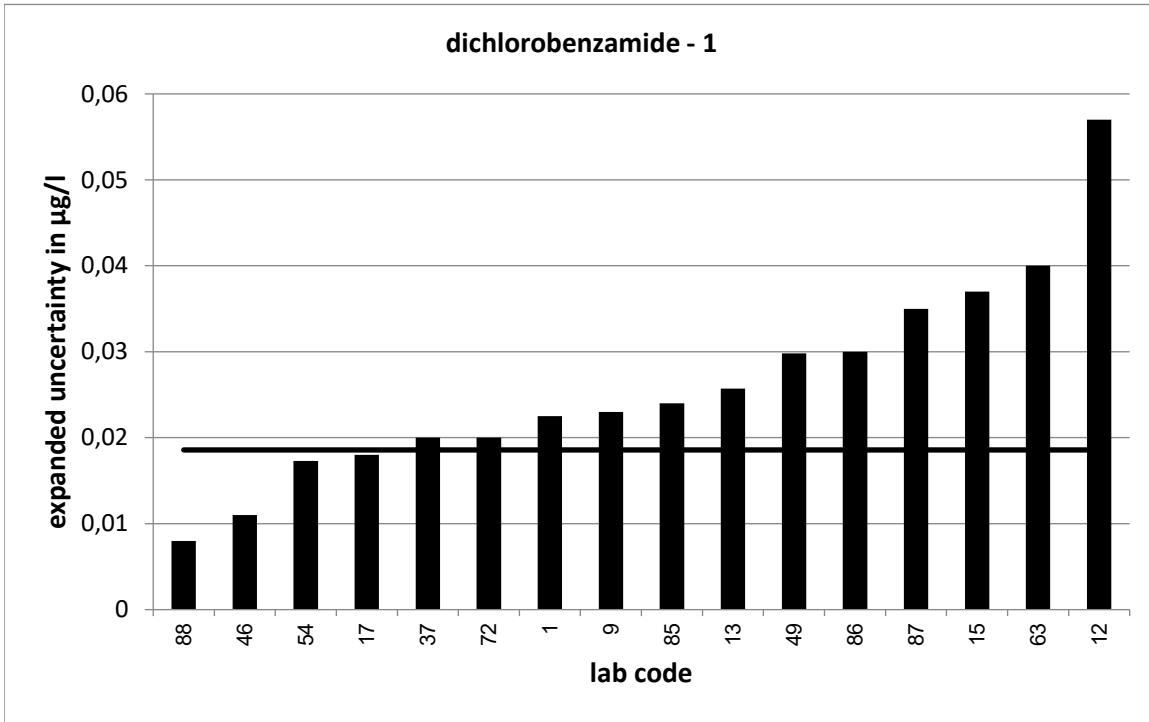


PT 7/20- TW O1		dichlorobenzamide - 1			
assigned value [$\mu\text{g/l}$]*		0,1211 \pm 0,0032			
upper tolerance limit [$\mu\text{g/l}$]		0,1664			
lower tolerance limit [$\mu\text{g/l}$]		0,08303			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,168	0,023	4,1	2,1	q
5	0,11			-0,6	s
6	0,118			-0,2	s
9	0,083	0,023	-3,3	-2,0	s
11	0,104			-0,9	s
12	0,114	0,057	-0,2	-0,4	s
13	0,103	0,026	-1,4	-0,9	s
15	0,15	0,037	1,6	1,3	s
17	0,091	0,018	-3,3	-1,6	s
19	0,177			2,5	q
25	0,114			-0,4	s
29	0,117			-0,2	s
32	0,0601			-3,2	u
35	0,124			0,1	s
37	0,119	0,02	-0,2	-0,1	s
39	0,114			-0,4	s
41	0,106			-0,8	s
46	0,113	0,011	-1,4	-0,4	s
49	0,0992	0,03	-1,5	-1,1	s
54	0,123	0,017	0,2	0,1	s
56	0,123			0,1	s
61	0,118			-0,2	s
63	0,115	0,04	-0,3	-0,3	s
72	0,122	0,02	0,1	0,0	s
83	0,114			-0,4	s
85	0,094	0,024	-2,2	-1,4	s
86	0,131	0,03	0,7	0,4	s
87	0,17	0,035	2,8	2,2	q
88	0,0667	0,008	-12,6	-2,9	q
92	0,132			0,5	s
94	0,128			0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

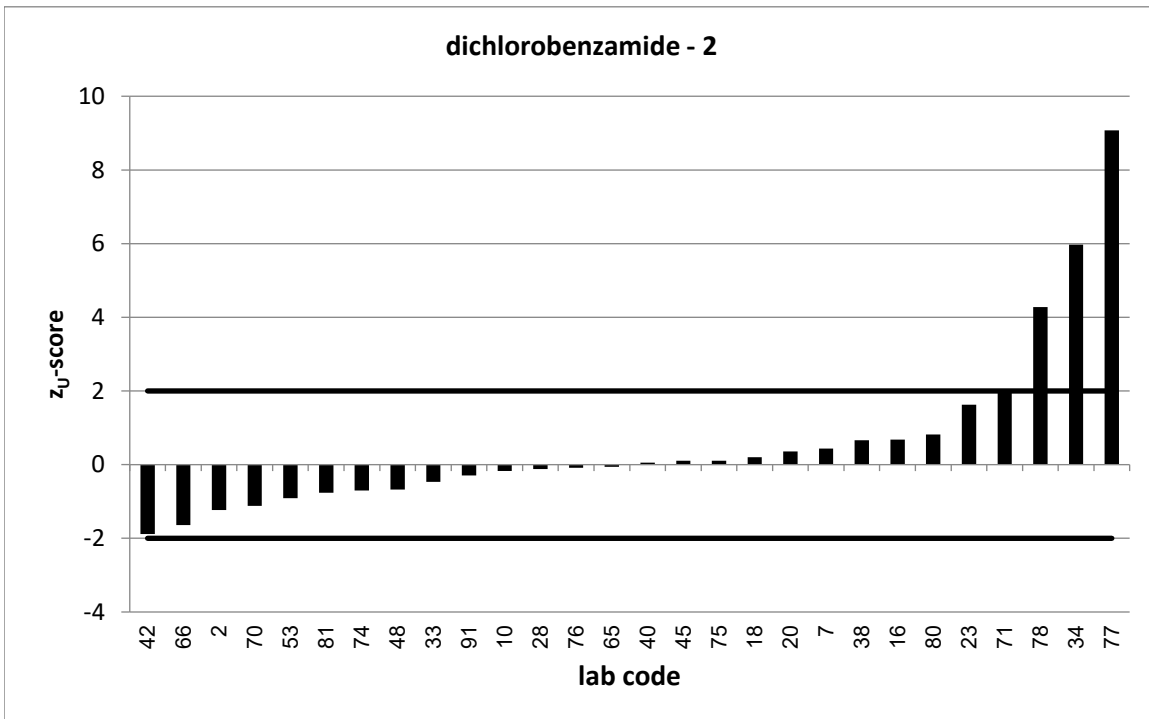
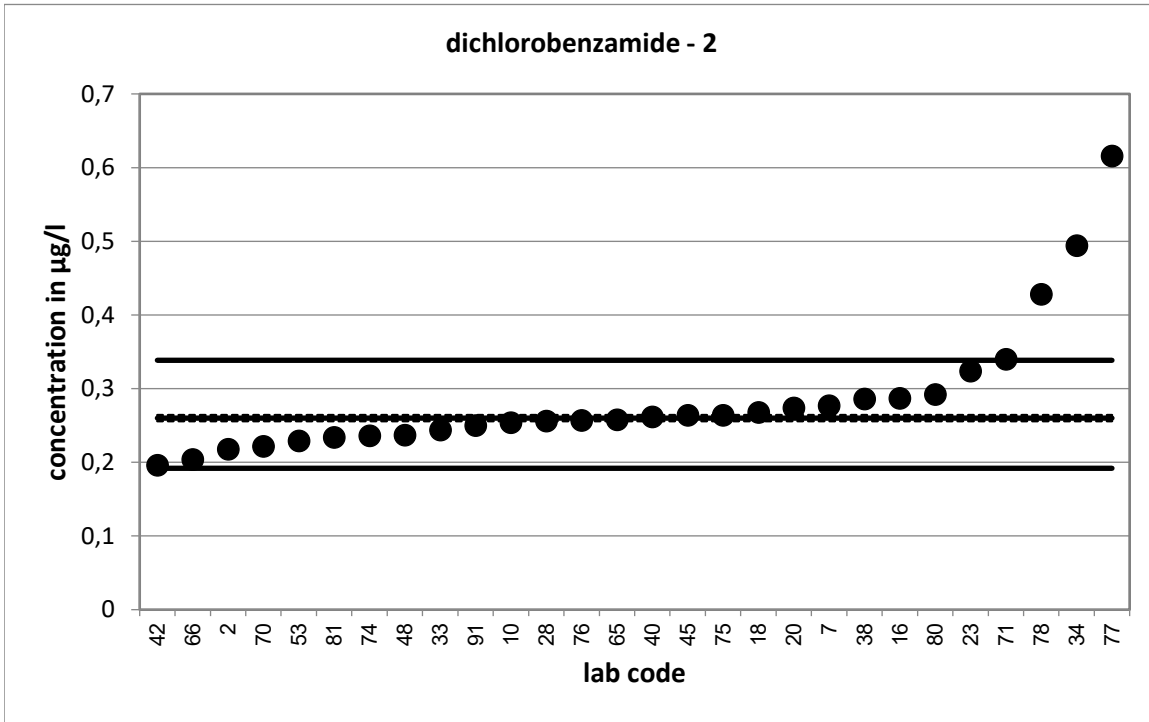


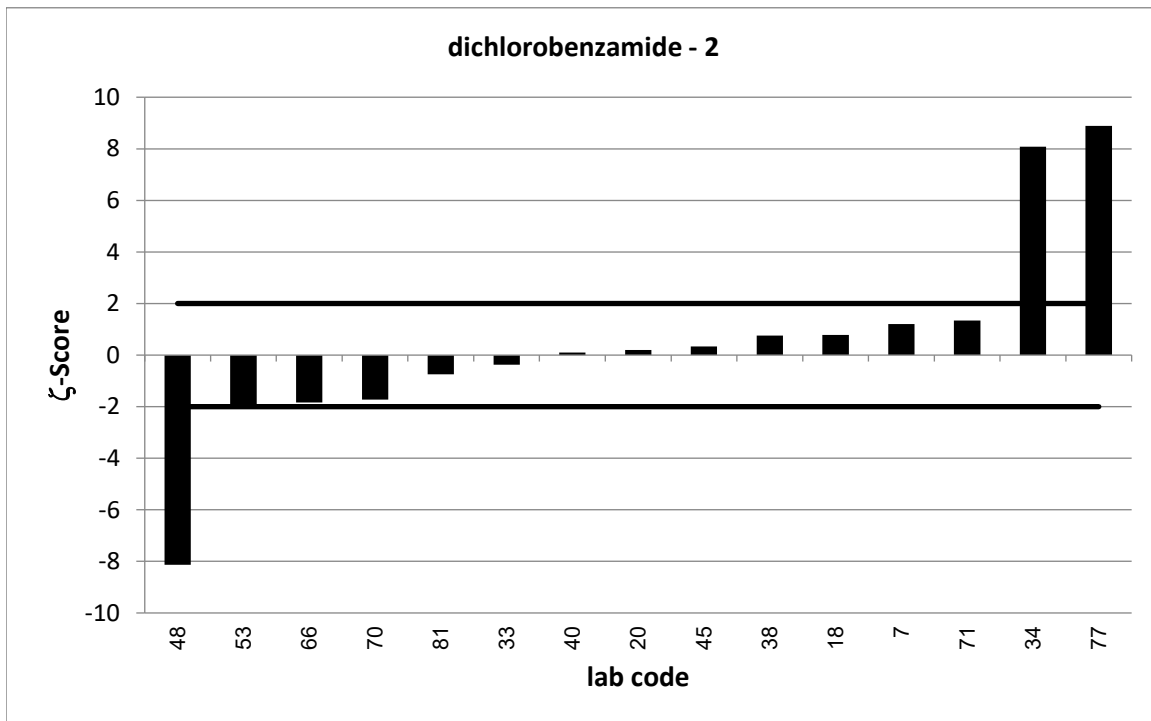
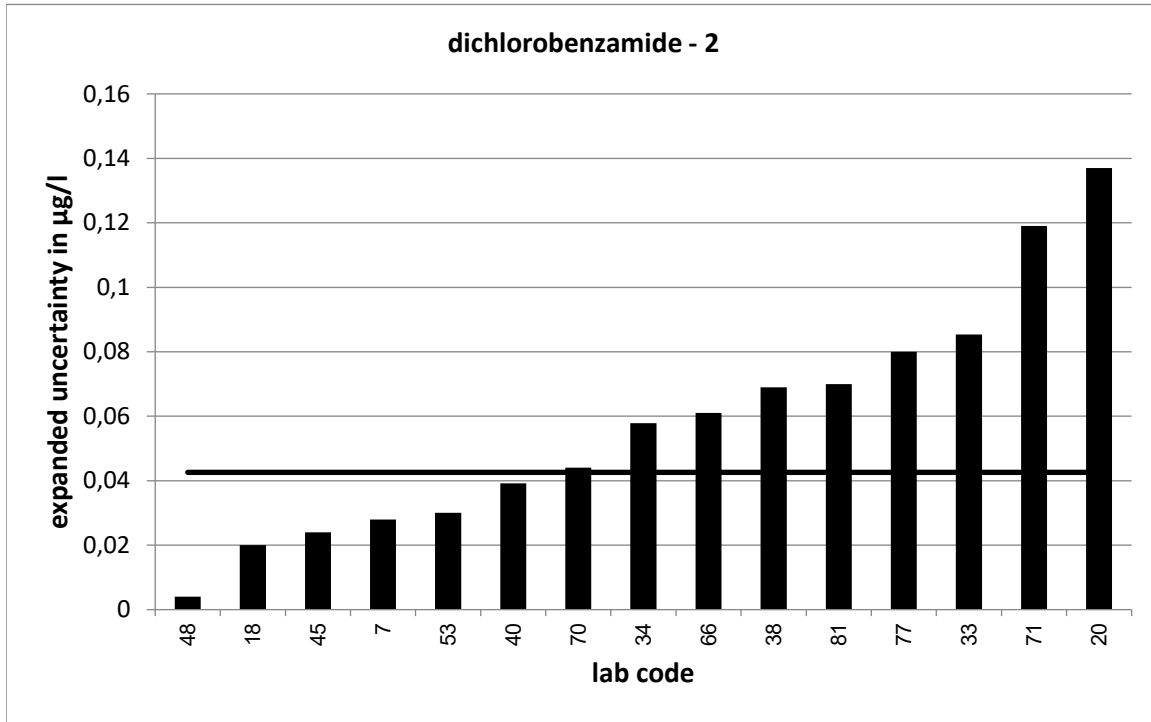


PT 7/20- TW O1		dichlorobenzamide - 2			
assigned value [$\mu\text{g/l}$]*		0,26 \pm 0,004			
upper tolerance limit [$\mu\text{g/l}$]		0,3385			
lower tolerance limit [$\mu\text{g/l}$]		0,1919			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,218			-1,2	s
7	0,277	0,028	1,2	0,4	s
10	0,254			-0,2	s
16	0,2868			0,7	s
18	0,268	0,02	0,8	0,2	s
20	0,274	0,137	0,2	0,4	s
23	0,324			1,6	s
28	0,256			-0,1	s
33	0,244	0,085	-0,4	-0,5	s
34	0,4944	0,058	8,1	6,0	u
38	0,286	0,069	0,8	0,7	s
40	0,262	0,039	0,1	0,1	s
42	0,196			-1,9	s
45	0,264	0,024	0,3	0,1	s
48	0,237	0,004	-8,1	-0,7	s
53	0,229	0,03	-2,0	-0,9	s
65	0,258			-0,1	s
66	0,204	0,061	-1,8	-1,6	s
70	0,222	0,044	-1,7	-1,1	s
71	0,34	0,119	1,3	2,0	s
74	0,236			-0,7	s
75	0,264			0,1	s
76	0,257			-0,1	s
77	0,616	0,08	8,9	9,1	u
78	0,428			4,3	u
80	0,292			0,8	s
81	0,234	0,07	-0,7	-0,8	s
91	0,25			-0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

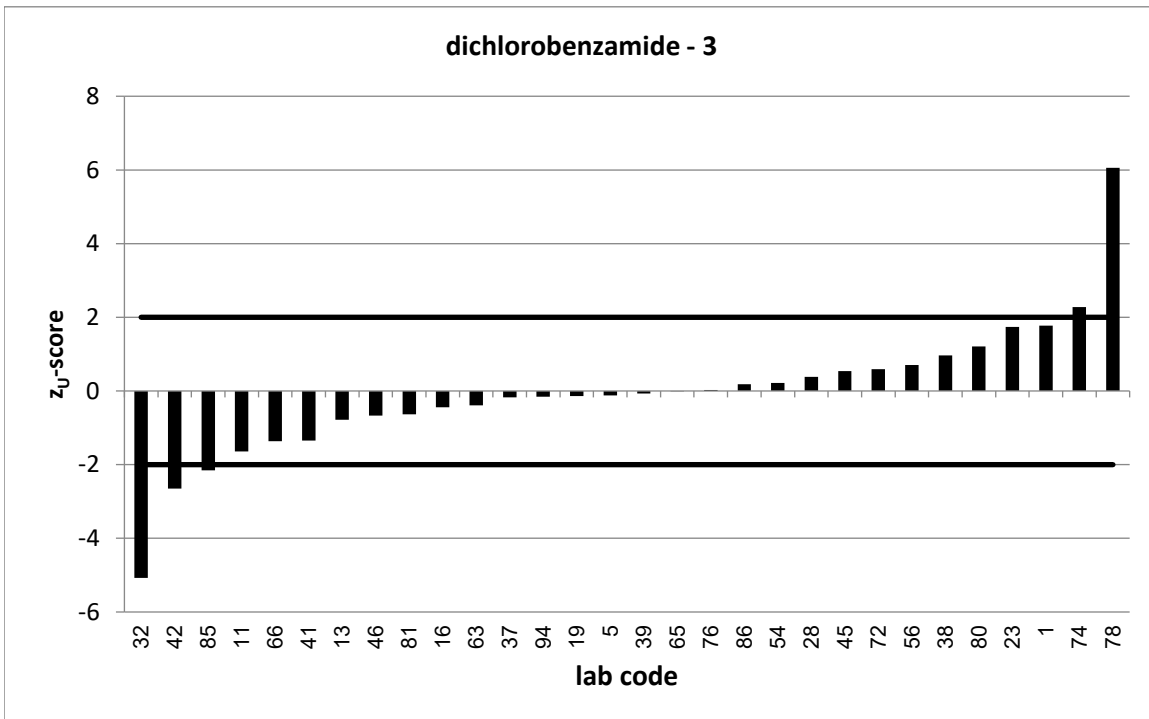
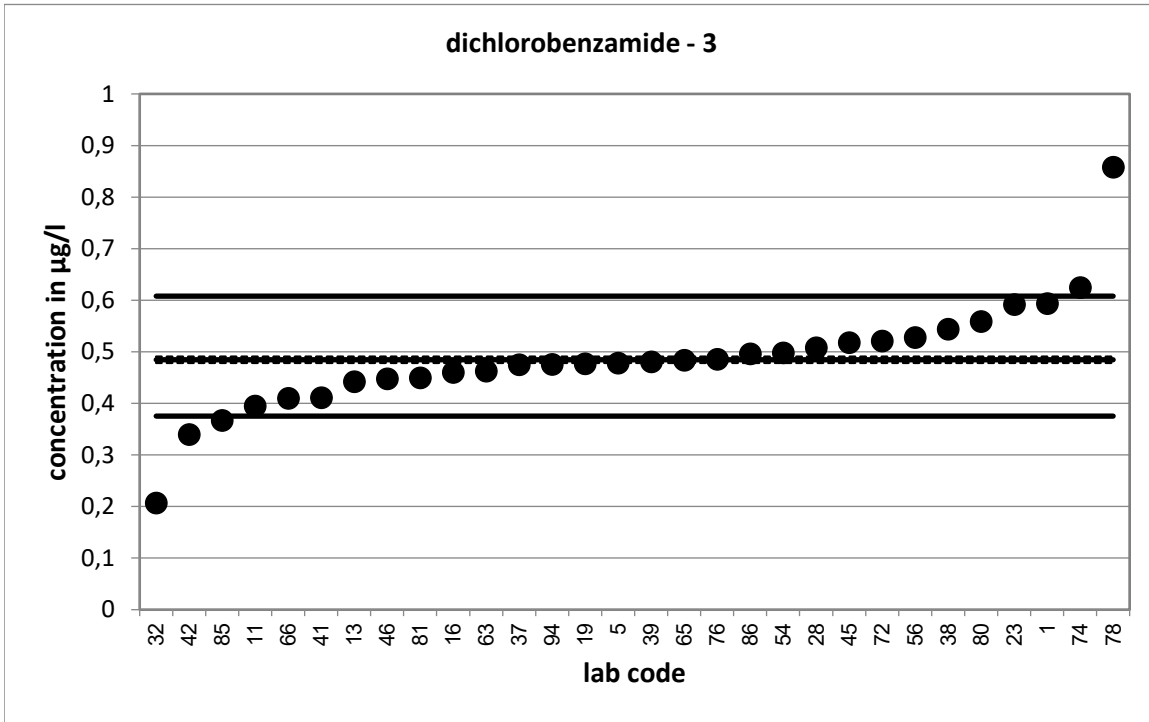


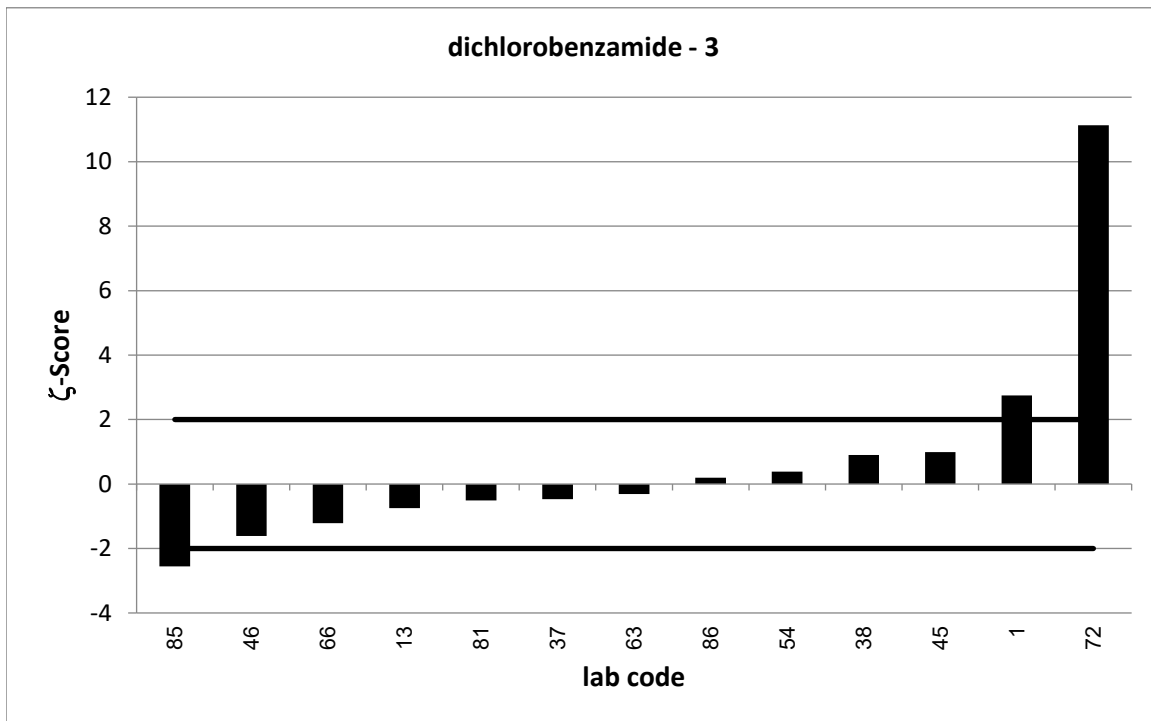
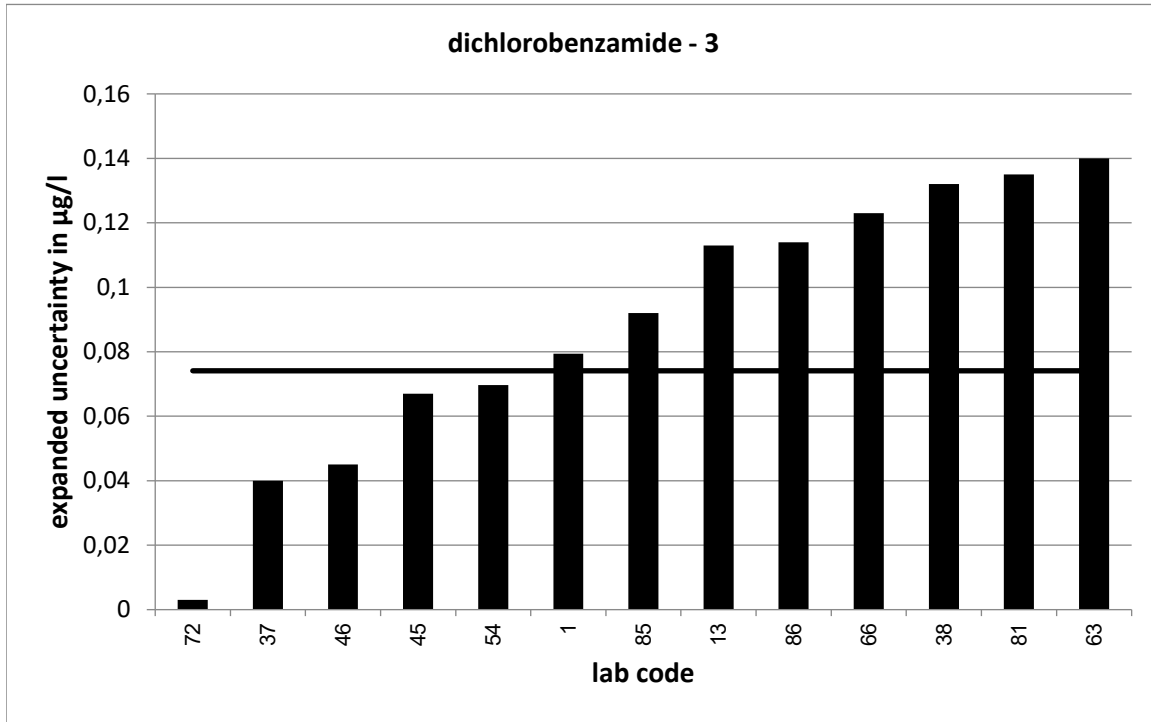


PT 7/20- TW O1		dichlorobenzamide - 3			
assigned value [$\mu\text{g/l}$]*		0,4846 \pm 0,0058			
upper tolerance limit [$\mu\text{g/l}$]		0,6079			
lower tolerance limit [$\mu\text{g/l}$]		0,3753			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,594	0,079	2,7	1,8	s
5	0,478			-0,1	s
11	0,395			-1,6	s
13	0,442	0,113	-0,8	-0,8	s
16	0,4603			-0,4	s
19	0,477			-0,1	s
23	0,592			1,7	s
28	0,508			0,4	s
32	0,2072			-5,1	u
37	0,475	0,04	-0,5	-0,2	s
38	0,544	0,132	0,9	1,0	s
39	0,481			-0,1	s
41	0,411			-1,3	s
42	0,34			-2,6	q
45	0,518	0,067	1,0	0,5	s
46	0,448	0,045	-1,6	-0,7	s
54	0,498	0,07	0,4	0,2	s
56	0,528			0,7	s
63	0,463	0,14	-0,3	-0,4	s
65	0,484			0,0	s
66	0,41	0,123	-1,2	-1,4	s
72	0,521	0,003	11,1	0,6	s
74	0,625			2,3	q
76	0,486			0,0	s
78	0,858			6,1	u
80	0,559			1,2	s
81	0,45	0,135	-0,5	-0,6	s
85	0,367	0,092	-2,6	-2,2	q
86	0,496	0,114	0,2	0,2	s
94	0,476			-0,2	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

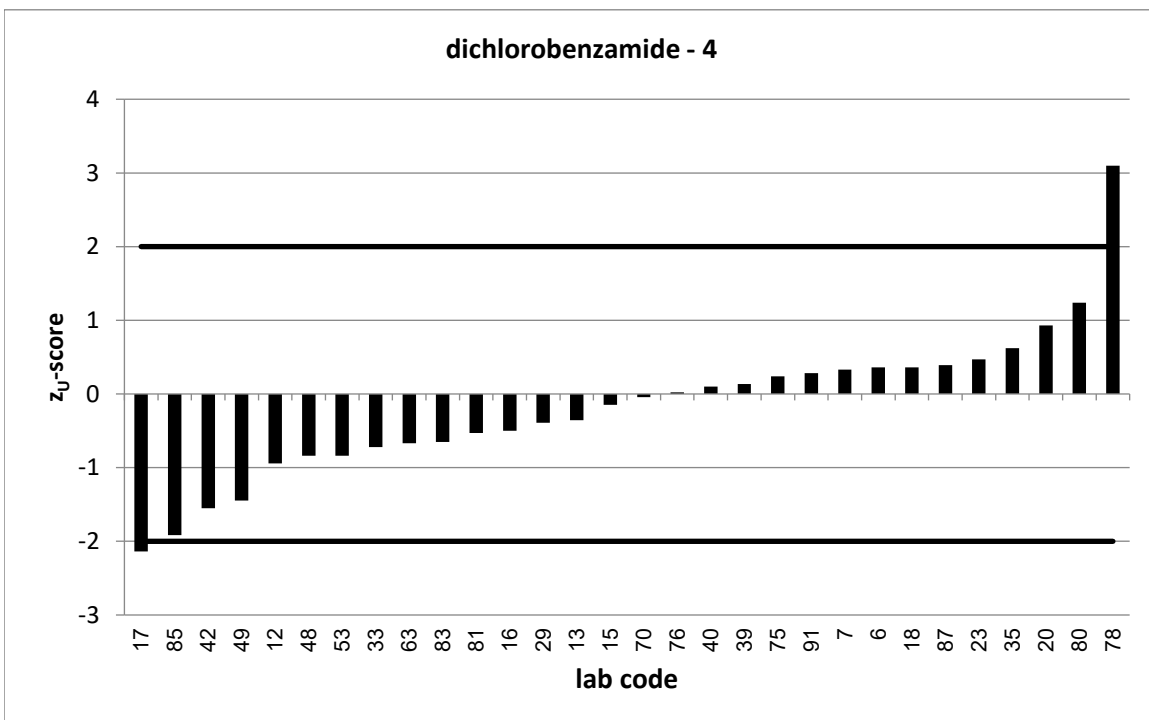
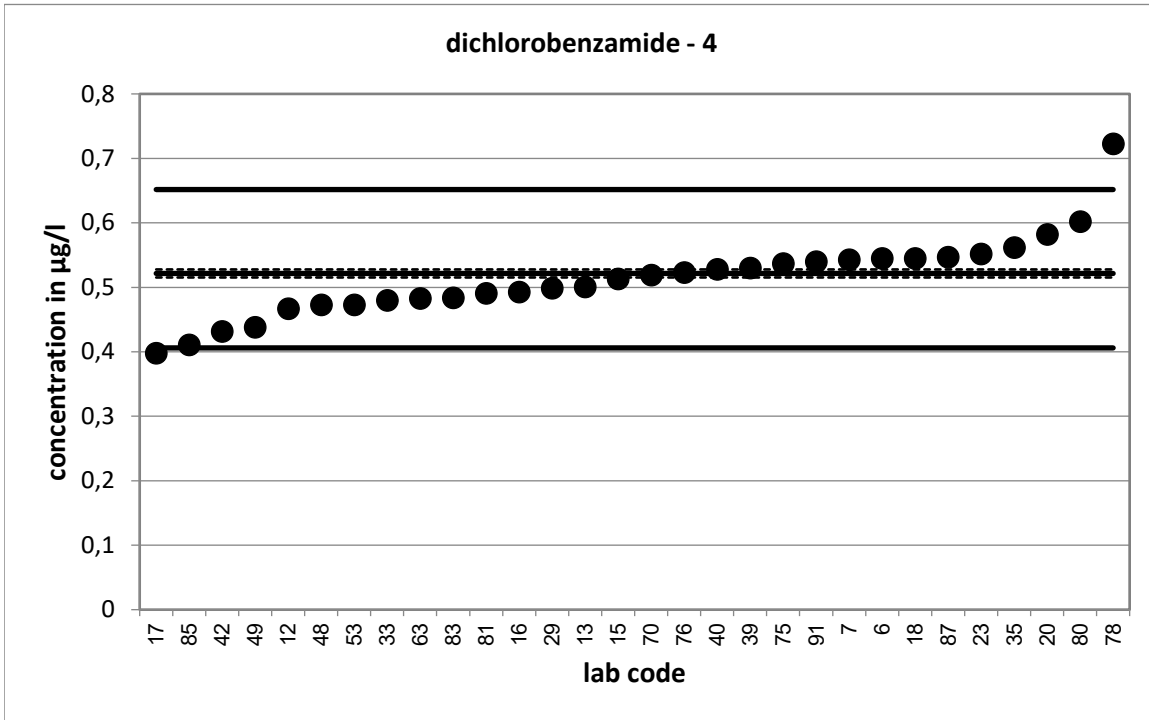


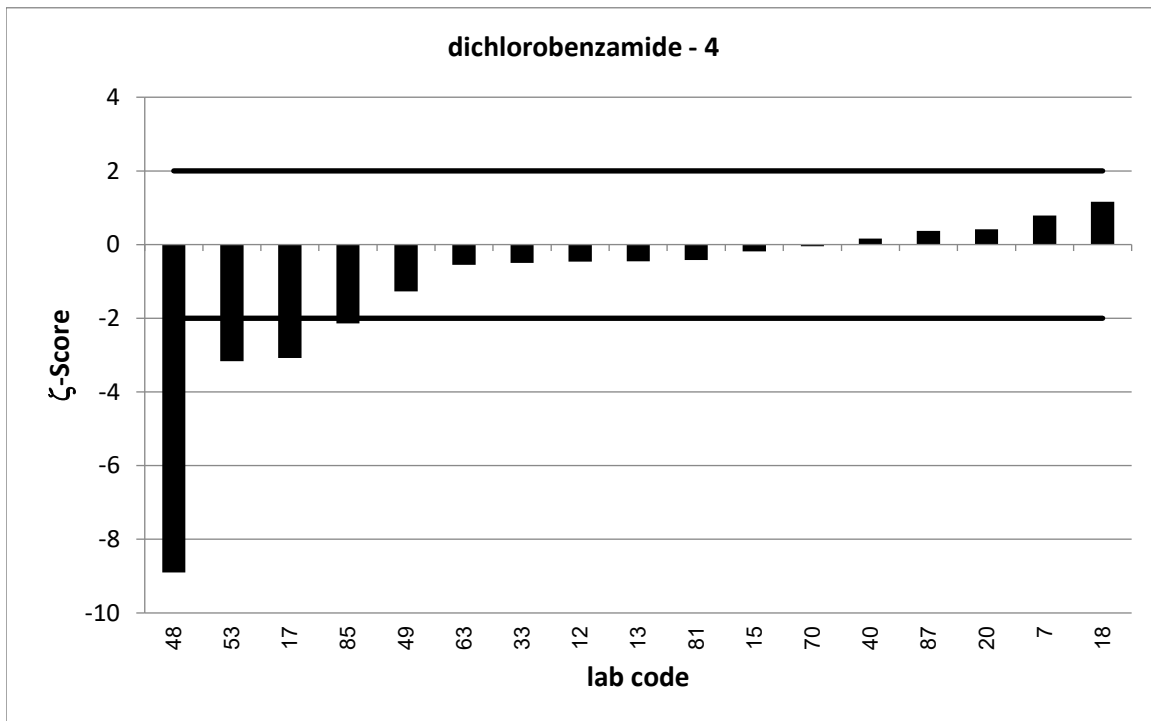
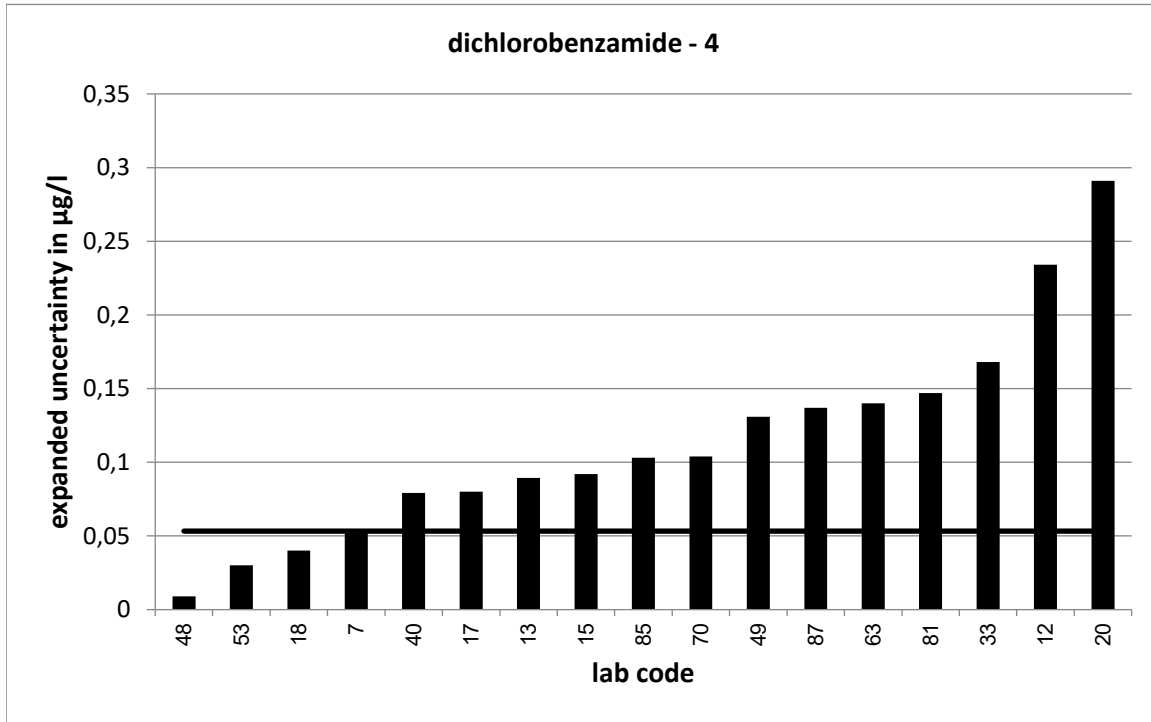


PT 7/20- TW O1		dichlorobenzamide - 4			
assigned value [$\mu\text{g/l}$]*		0,5215 \pm 0,0062			
upper tolerance limit [$\mu\text{g/l}$]		0,6517			
lower tolerance limit [$\mu\text{g/l}$]		0,406			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
6	0,545			0,4	s
7	0,543	0,054	0,8	0,3	s
12	0,467	0,234	-0,5	-0,9	s
13	0,501	0,089	-0,5	-0,4	s
15	0,513	0,092	-0,2	-0,1	s
16	0,4927			-0,5	s
17	0,398	0,08	-3,1	-2,1	q
18	0,545	0,04	1,2	0,4	s
20	0,582	0,291	0,4	0,9	s
23	0,552			0,5	s
29	0,499			-0,4	s
33	0,48	0,168	-0,5	-0,7	s
35	0,562			0,6	s
39	0,5302			0,1	s
40	0,528	0,079	0,2	0,1	s
42	0,432			-1,6	s
48	0,473	0,009	-8,9	-0,8	s
49	0,438	0,131	-1,3	-1,4	s
53	0,473	0,03	-3,2	-0,8	s
63	0,483	0,14	-0,5	-0,7	s
70	0,519	0,104	0,0	0,0	s
75	0,537			0,2	s
76	0,523			0,0	s
78	0,723			3,1	u
80	0,602			1,2	s
81	0,491	0,147	-0,4	-0,5	s
83	0,484			-0,6	s
85	0,411	0,103	-2,1	-1,9	s
87	0,547	0,137	0,4	0,4	s
91	0,54			0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

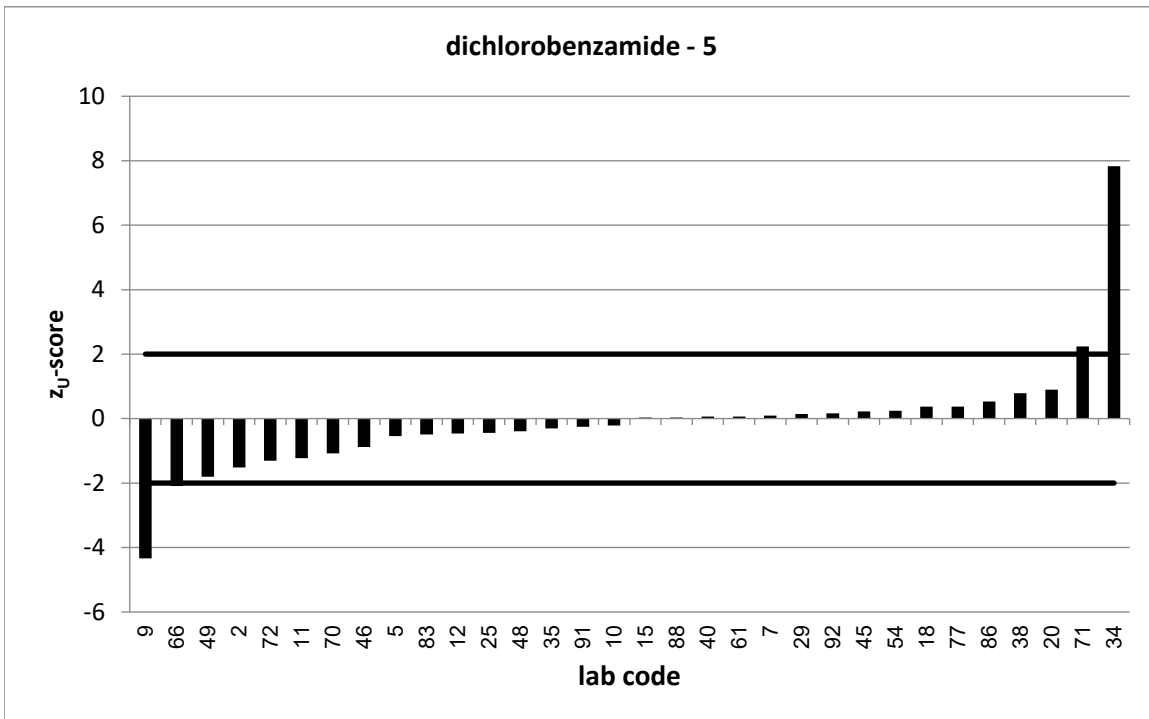
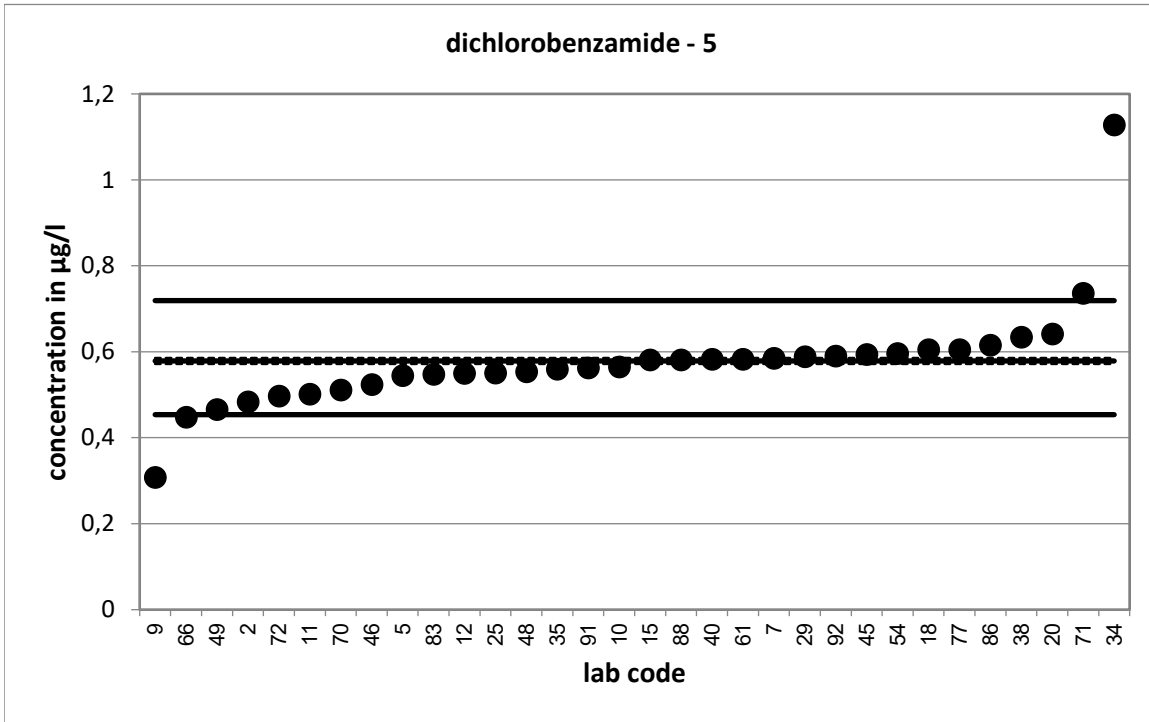


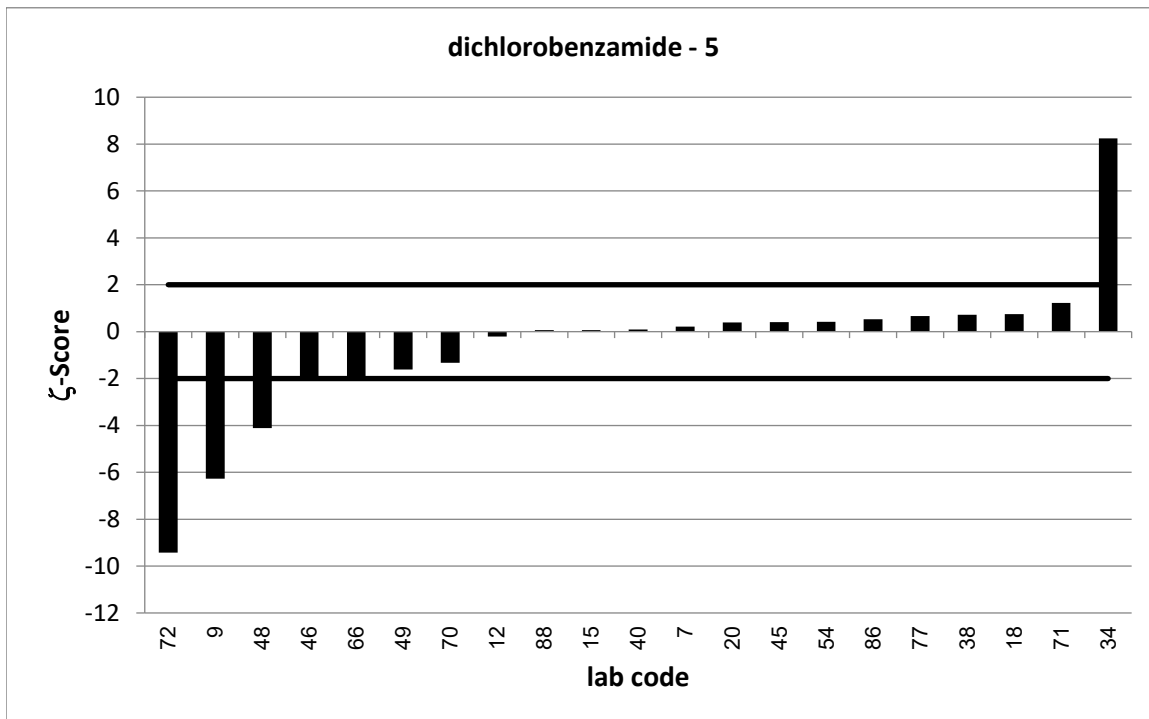
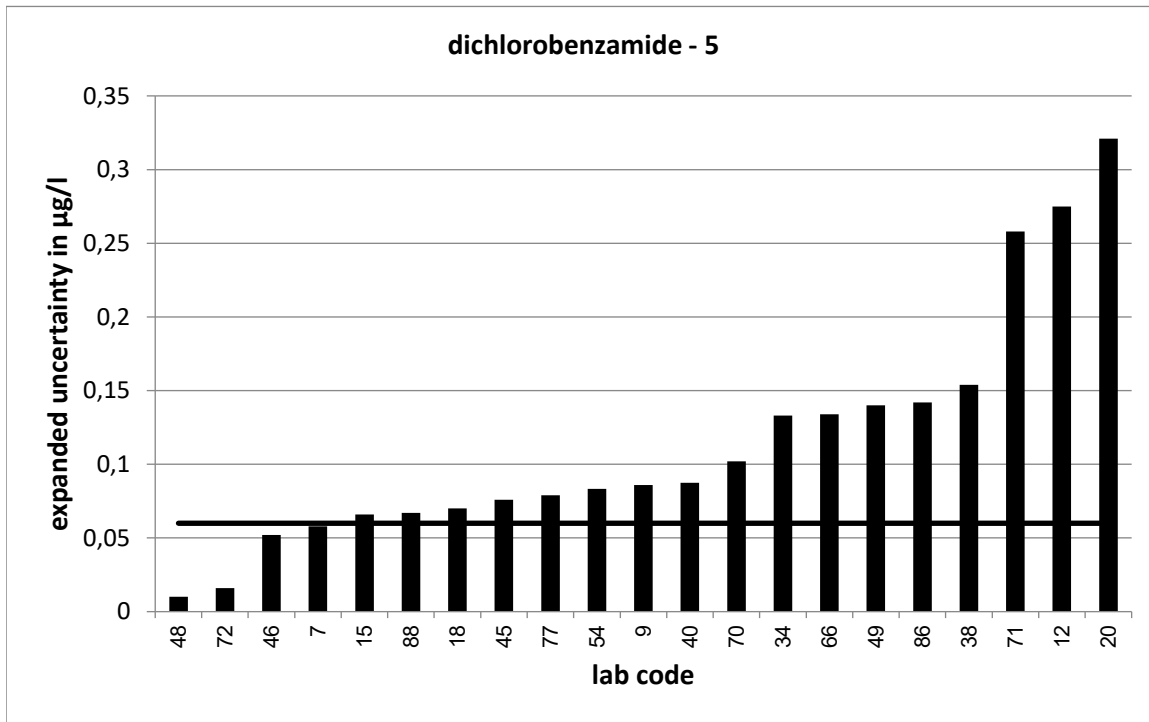


PT 7/20- TW O1		dichlorobenzamide - 5			
assigned value [$\mu\text{g/l}$]*		0,5787 \pm 0,0067			
upper tolerance limit [$\mu\text{g/l}$]		0,7191			
lower tolerance limit [$\mu\text{g/l}$]		0,4537			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,484			-1,5	s
5	0,545			-0,5	s
7	0,585	0,058	0,2	0,1	s
9	0,308	0,086	-6,3	-4,3	u
10	0,565			-0,2	s
11	0,502			-1,2	s
12	0,55	0,275	-0,2	-0,5	s
15	0,581	0,066	0,1	0,0	s
18	0,605	0,07	0,7	0,4	s
20	0,642	0,321	0,4	0,9	s
25	0,551			-0,4	s
29	0,589			0,1	s
34	1,128	0,133	8,2	7,8	u
35	0,56			-0,3	s
38	0,634	0,154	0,7	0,8	s
40	0,583	0,087	0,1	0,1	s
45	0,594	0,076	0,4	0,2	s
46	0,524	0,052	-2,1	-0,9	s
48	0,554	0,01	-4,1	-0,4	s
49	0,466	0,14	-1,6	-1,8	s
54	0,596	0,083	0,4	0,2	s
61	0,583			0,1	s
66	0,448	0,134	-1,9	-2,1	q
70	0,511	0,102	-1,3	-1,1	s
71	0,736	0,258	1,2	2,2	q
72	0,497	0,016	-9,4	-1,3	s
77	0,605	0,079	0,7	0,4	s
83	0,548			-0,5	s
86	0,616	0,142	0,5	0,5	s
88	0,581	0,067	0,1	0,0	s
91	0,563			-0,3	s
92	0,59			0,2	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

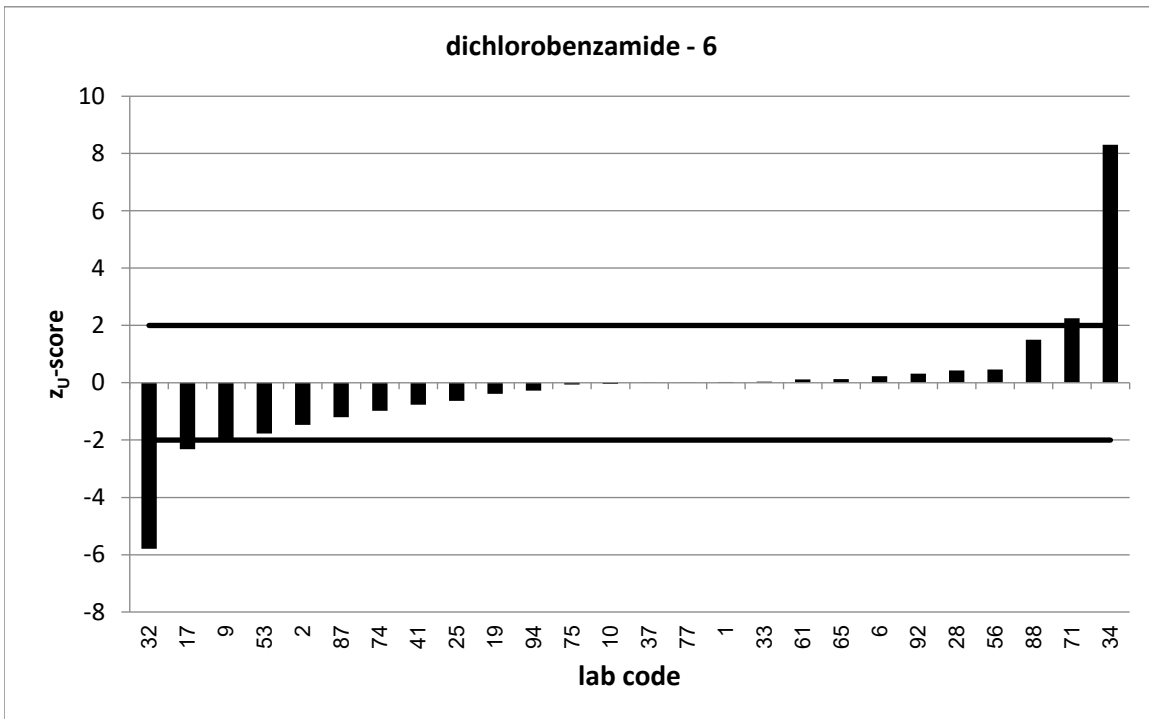
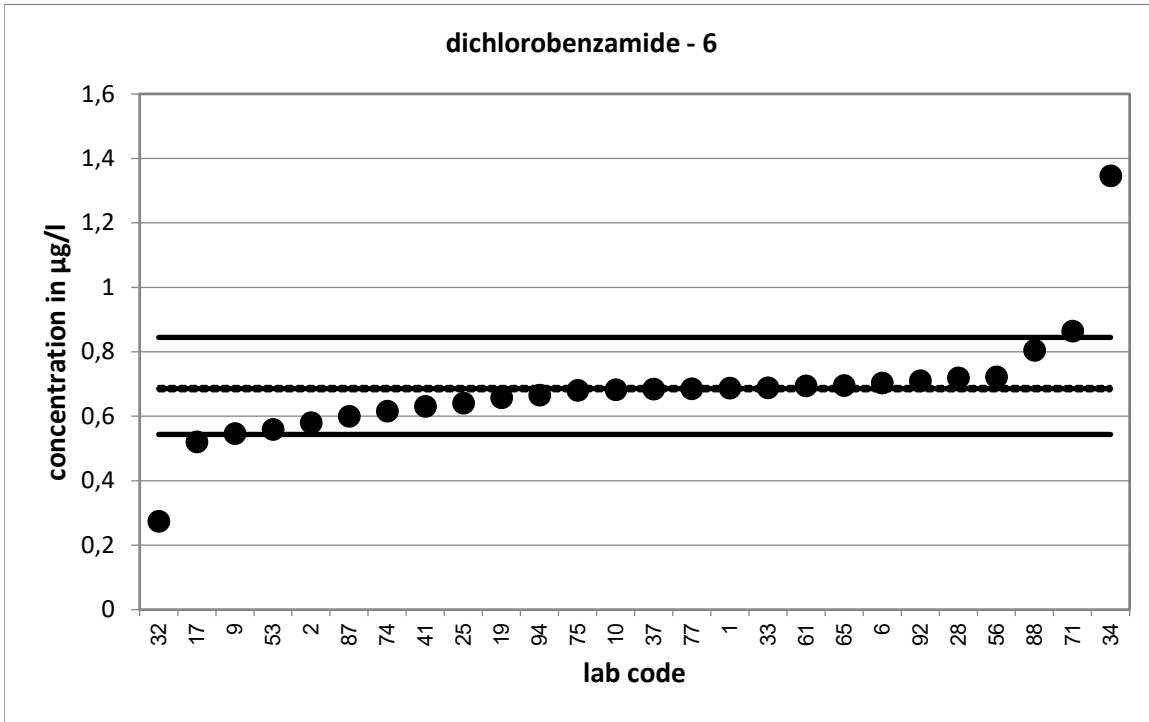


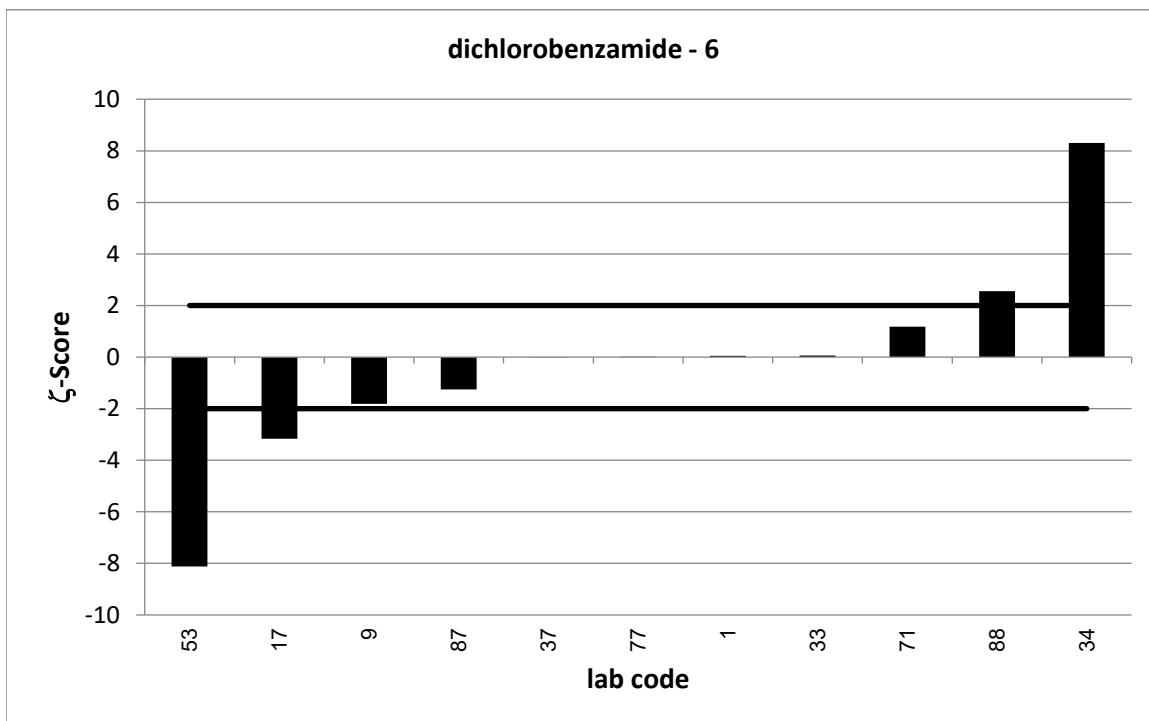
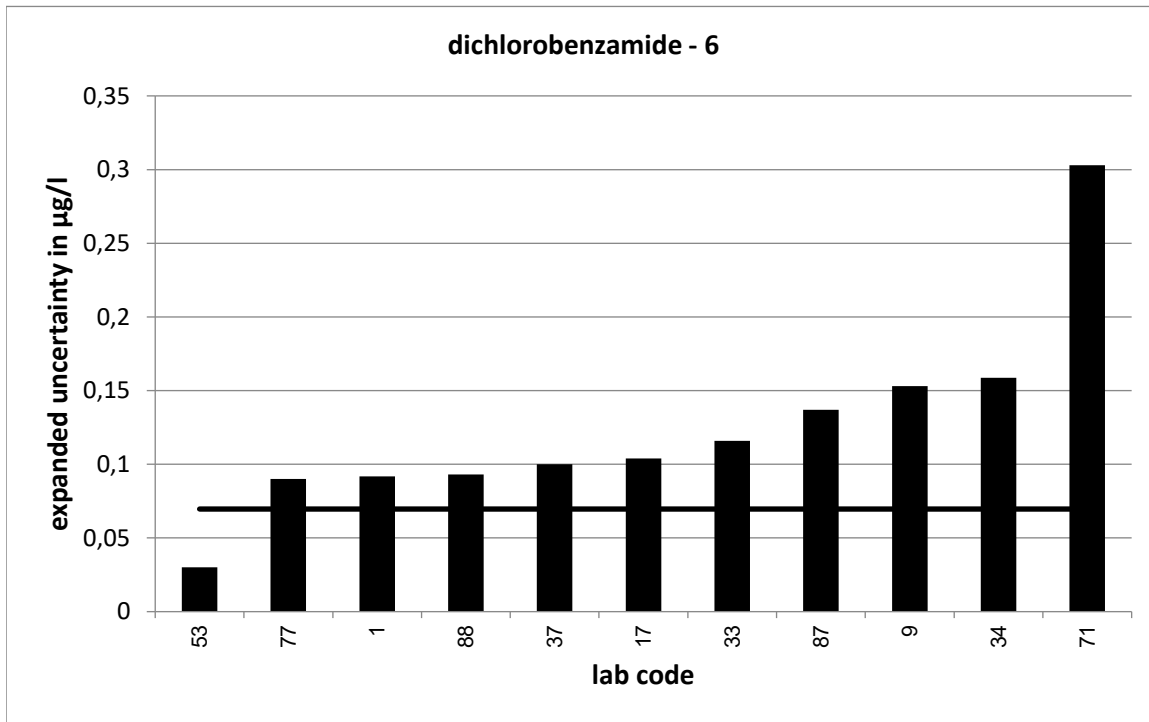


PT 7/20- TW O1		dichlorobenzamide - 6			
assigned value [$\mu\text{g/l}$]*		0,6858 \pm 0,0077			
upper tolerance limit [$\mu\text{g/l}$]		0,8446			
lower tolerance limit [$\mu\text{g/l}$]		0,5436			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,688	0,092	0,0	0,0	s
2	0,581			-1,5	s
6	0,704			0,2	s
9	0,547	0,153	-1,8	-2,0	s
10	0,683			0,0	s
17	0,521	0,104	-3,2	-2,3	q
19	0,658			-0,4	s
25	0,641			-0,6	s
28	0,72			0,4	s
32	0,2743			-5,8	u
33	0,689	0,116	0,1	0,0	s
34	1,346	0,159	8,3	8,3	u
37	0,685	0,1	0,0	0,0	s
41	0,631			-0,8	s
53	0,56	0,03	-8,1	-1,8	s
56	0,723			0,5	s
61	0,695			0,1	s
65	0,696			0,1	s
71	0,865	0,303	1,2	2,3	q
74	0,616			-1,0	s
75	0,681			-0,1	s
77	0,686	0,09	0,0	0,0	s
87	0,6	0,137	-1,2	-1,2	s
88	0,805	0,093	2,6	1,5	s
92	0,711			0,3	s
94	0,666			-0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

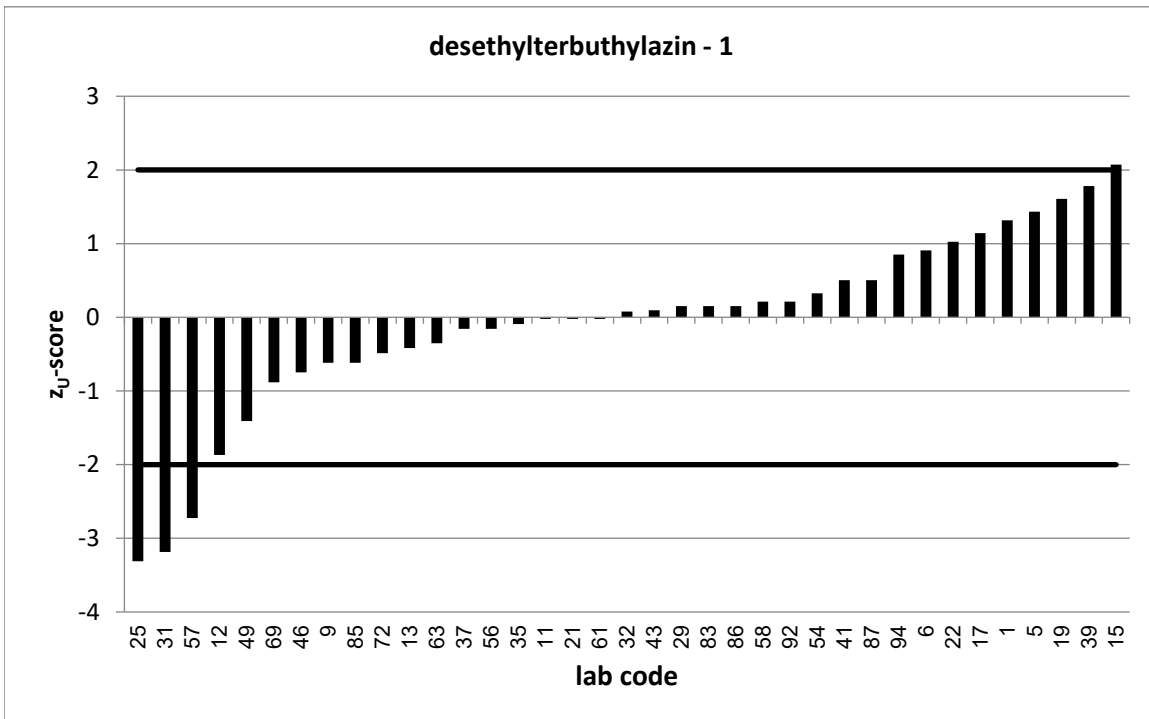
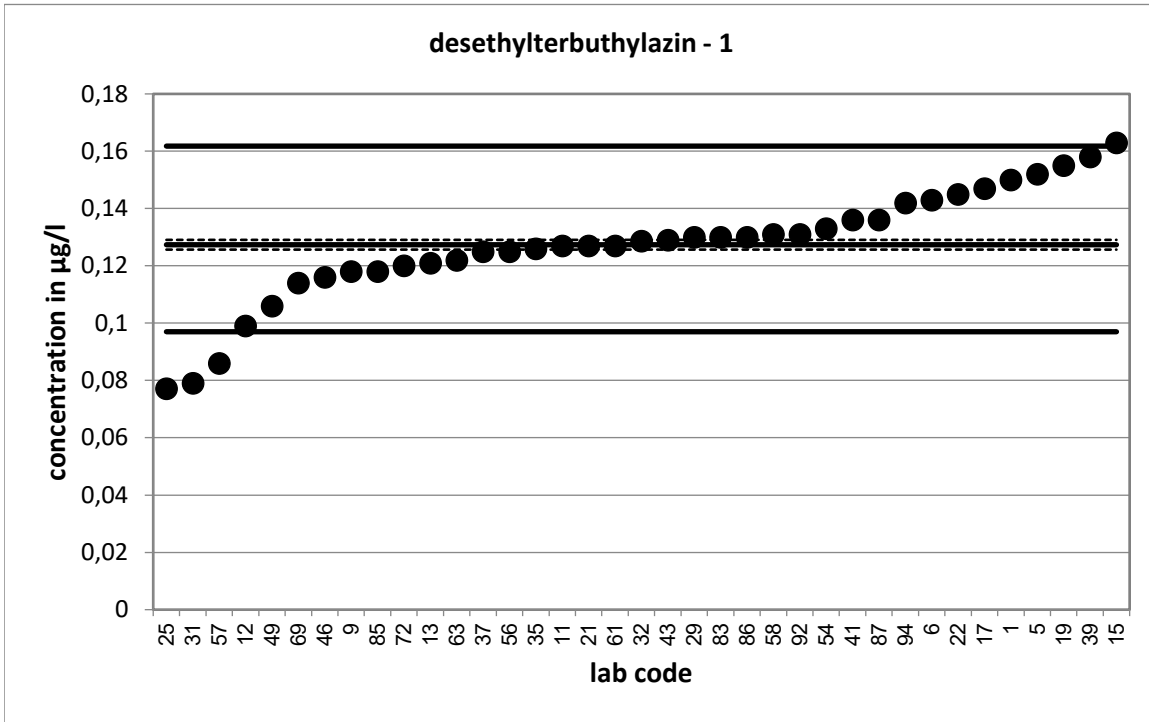


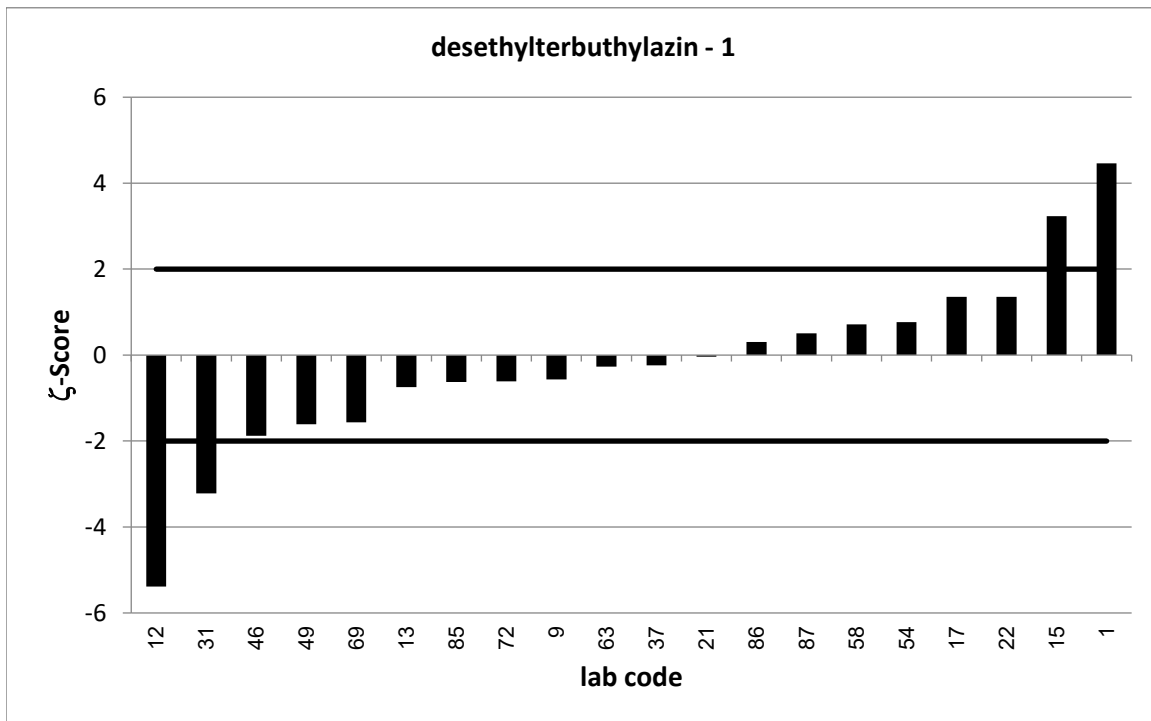
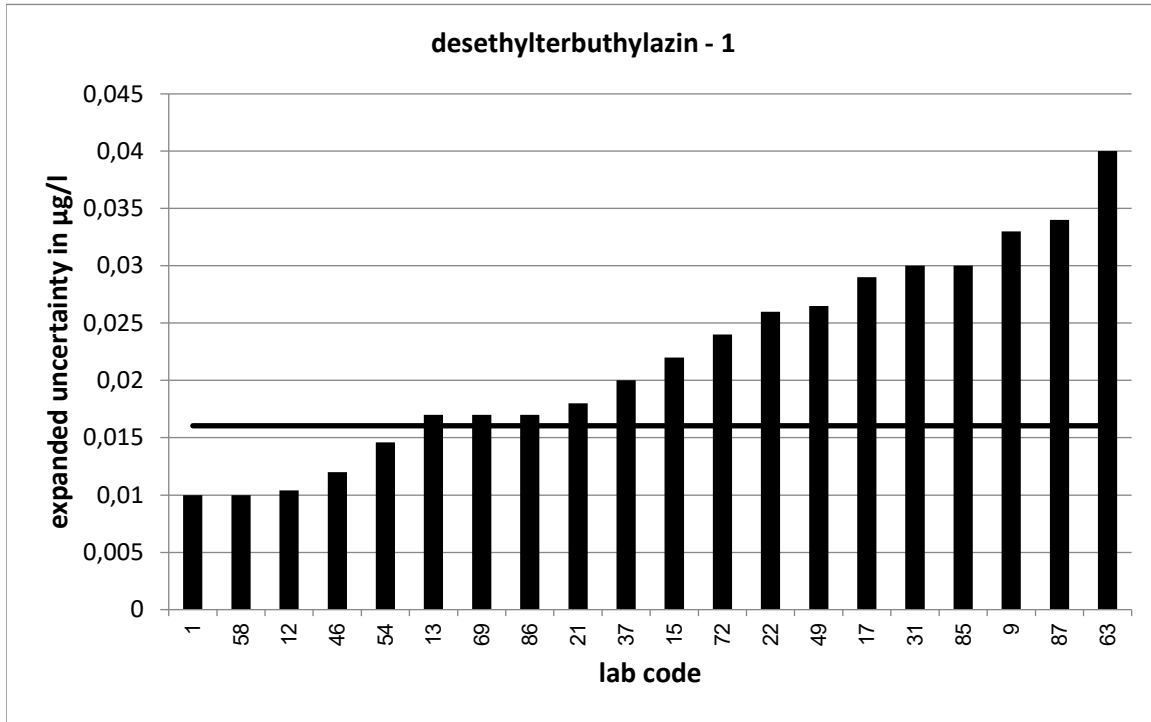


PT 7/20- TW O1		desethylterbuthylazin - 1			
assigned value [$\mu\text{g/l}$]*		0,1274 \pm 0,0017			
upper tolerance limit [$\mu\text{g/l}$]		0,1618			
lower tolerance limit [$\mu\text{g/l}$]		0,097			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,15	0,01	4,5	1,3	s
5	0,152			1,4	s
6	0,143			0,9	s
9	0,118	0,033	-0,6	-0,6	s
11	0,127			0,0	s
12	0,099	0,01	-5,4	-1,9	s
13	0,121	0,017	-0,7	-0,4	s
15	0,163	0,022	3,2	2,1	q
17	0,147	0,029	1,4	1,1	s
19	0,155			1,6	s
21	0,127	0,018	0,0	0,0	s
22	0,145	0,026	1,4	1,0	s
25	0,0771			-3,3	u
29	0,13			0,2	s
31	0,079	0,03	-3,2	-3,2	u
32	0,1287			0,1	s
35	0,126			-0,1	s
37	0,125	0,02	-0,2	-0,2	s
39	0,158			1,8	s
41	0,136			0,5	s
43	0,129			0,1	s
46	0,116	0,012	-1,9	-0,7	s
49	0,106	0,027	-1,6	-1,4	s
54	0,133	0,015	0,8	0,3	s
56	0,125			-0,2	s
57	0,086			-2,7	q
58	0,131	0,01	0,7	0,2	s
61	0,127			0,0	s
63	0,122	0,04	-0,3	-0,4	s
69	0,114	0,017	-1,6	-0,9	s
72	0,12	0,024	-0,6	-0,5	s
83	0,13			0,2	s
85	0,118	0,03	-0,6	-0,6	s
86	0,13	0,017	0,3	0,2	s
87	0,136	0,034	0,5	0,5	s
92	0,131			0,2	s
94	0,142			0,9	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

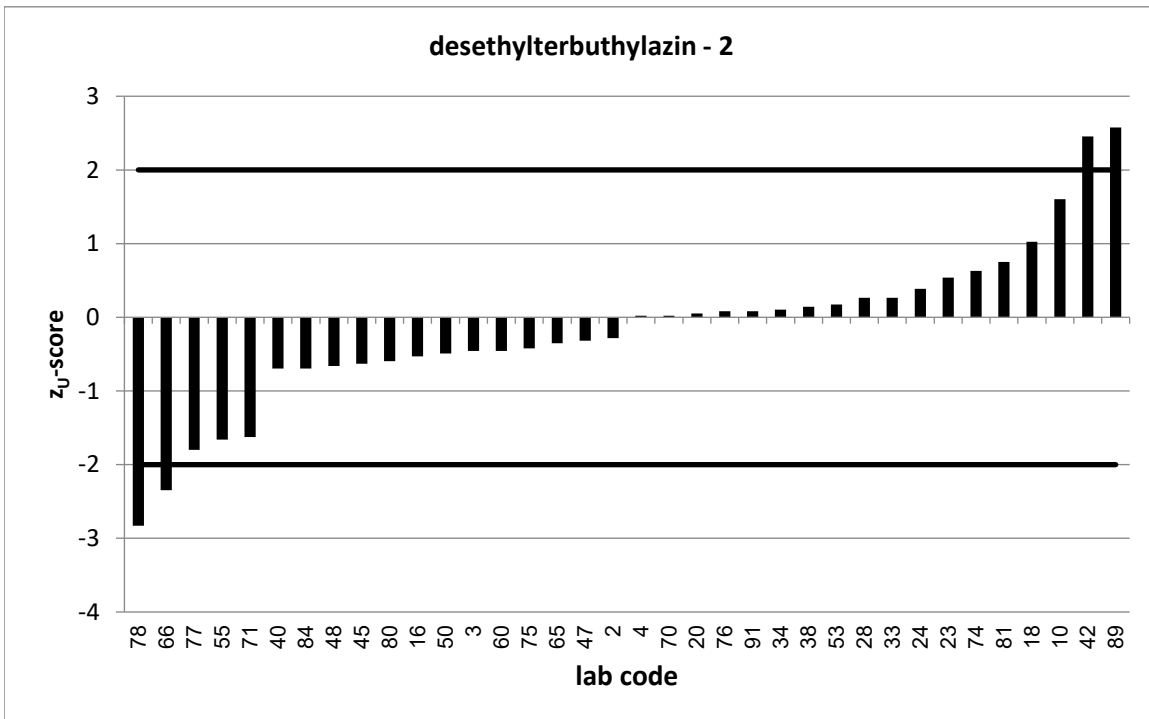
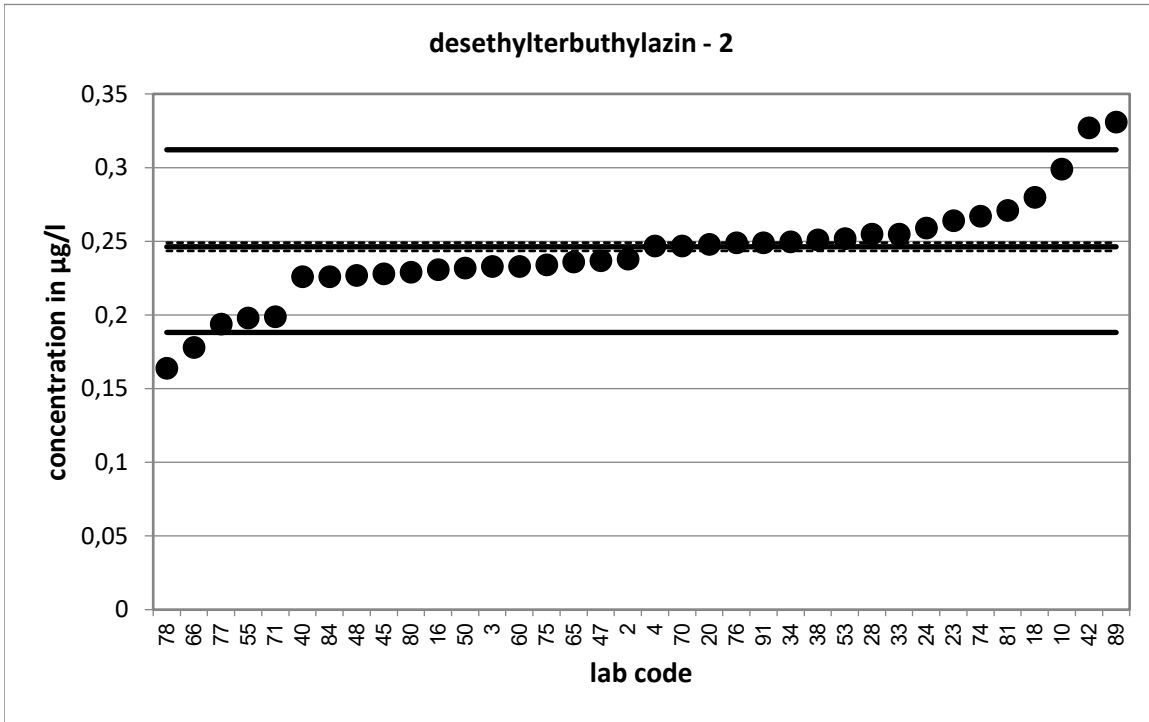


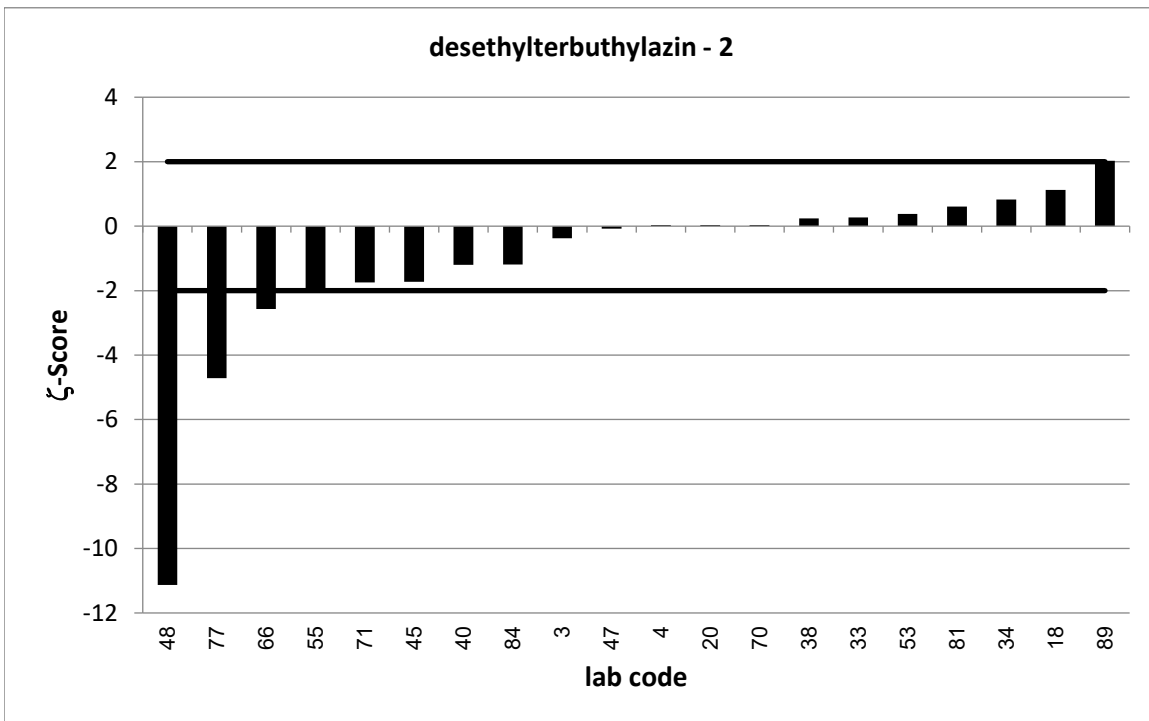
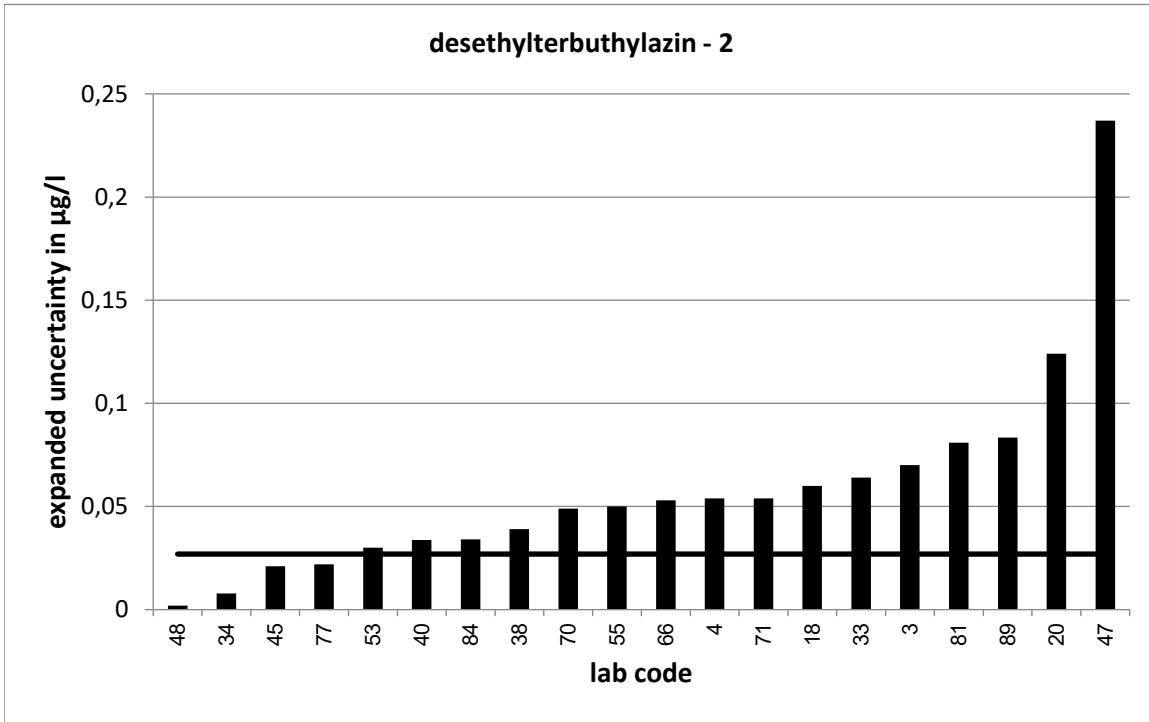


PT 7/20- TW O1		desethylterbutylazin - 2			
assigned value [$\mu\text{g/l}$]*		0,2463 \pm 0,0028			
upper tolerance limit [$\mu\text{g/l}$]		0,3121			
lower tolerance limit [$\mu\text{g/l}$]		0,1881			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,238			-0,3	s
3	0,233	0,07	-0,4	-0,5	s
4	0,247	0,054	0,0	0,0	s
10	0,299			1,6	s
16	0,2309			-0,5	s
18	0,28	0,06	1,1	1,0	s
20	0,248	0,124	0,0	0,1	s
23	0,264			0,5	s
24	0,259			0,4	s
28	0,255			0,3	s
33	0,255	0,064	0,3	0,3	s
34	0,2497	0,008	0,8	0,1	s
38	0,251	0,039	0,2	0,1	s
40	0,226	0,034	-1,2	-0,7	s
42	0,327			2,5	q
45	0,228	0,021	-1,7	-0,6	s
47	0,237	0,237	-0,1	-0,3	s
48	0,227	0,002	-11,1	-0,7	s
50	0,232			-0,5	s
53	0,252	0,03	0,4	0,2	s
55	0,198	0,05	-1,9	-1,7	s
60	0,233			-0,5	s
65	0,236			-0,4	s
66	0,178	0,053	-2,6	-2,3	q
70	0,247	0,049	0,0	0,0	s
71	0,199	0,054	-1,7	-1,6	s
74	0,267			0,6	s
75	0,234			-0,4	s
76	0,249			0,1	s
77	0,194	0,022	-4,7	-1,8	s
78	0,164			-2,8	q
80	0,229			-0,6	s
81	0,271	0,081	0,6	0,8	s
84	0,226	0,034	-1,2	-0,7	s
89	0,331	0,083	2,0	2,6	q
91	0,249			0,1	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

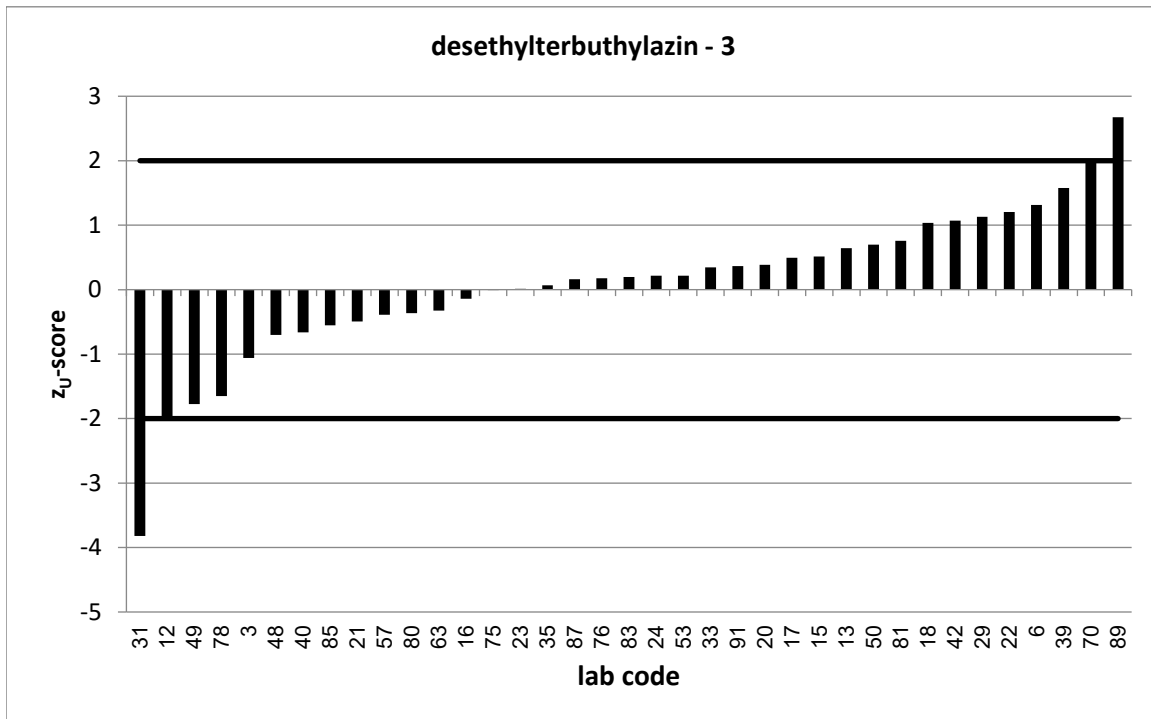


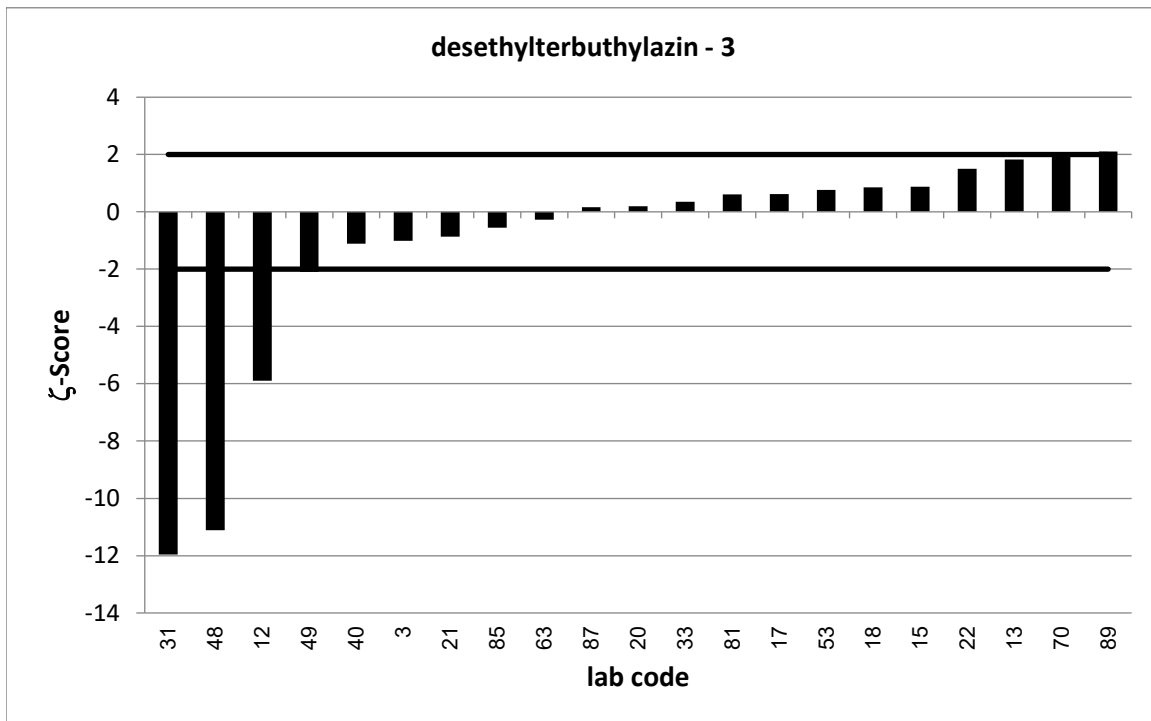
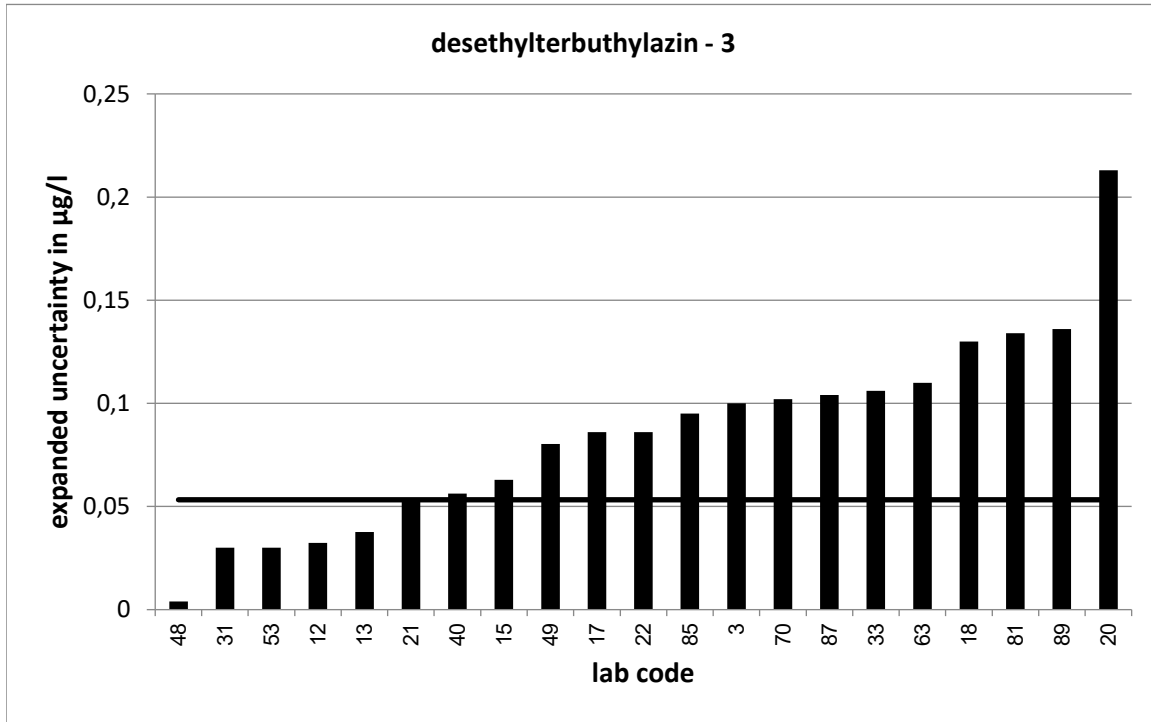


PT 7/20- TW O1		desethylterbutylazin - 3			
assigned value [$\mu\text{g/l}$]*		0,4054 \pm 0,0045			
upper tolerance limit [$\mu\text{g/l}$]		0,5128			
lower tolerance limit [$\mu\text{g/l}$]		0,3104			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
3	0,355	0,1	-1,0	-1,1	s
6	0,476			1,3	s
12	0,309	0,032	-5,9	-2,0	s
13	0,44	0,038	1,8	0,6	s
15	0,433	0,063	0,9	0,5	s
16	0,3986			-0,1	s
17	0,432	0,086	0,6	0,5	s
18	0,461	0,13	0,9	1,0	s
20	0,426	0,213	0,2	0,4	s
21	0,382	0,054	-0,9	-0,5	s
22	0,47	0,086	1,5	1,2	s
23	0,406			0,0	s
24	0,417			0,2	s
29	0,466			1,1	s
31	0,224	0,03	-12,0	-3,8	u
33	0,424	0,106	0,4	0,3	s
35	0,409			0,1	s
39	0,49			1,6	s
40	0,374	0,056	-1,1	-0,7	s
42	0,463			1,1	s
48	0,372	0,004	-11,1	-0,7	s
49	0,321	0,08	-2,1	-1,8	s
50	0,443			0,7	s
53	0,417	0,03	0,8	0,2	s
57	0,387			-0,4	s
63	0,39	0,11	-0,3	-0,3	s
70	0,512	0,102	2,1	2,0	s
75	0,405			0,0	s
76	0,415			0,2	s
78	0,327			-1,7	s
80	0,388			-0,4	s
81	0,446	0,134	0,6	0,8	s
83	0,416			0,2	s
85	0,379	0,095	-0,6	-0,6	s
87	0,414	0,104	0,2	0,2	s
89	0,549	0,136	2,1	2,7	q
91	0,425			0,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

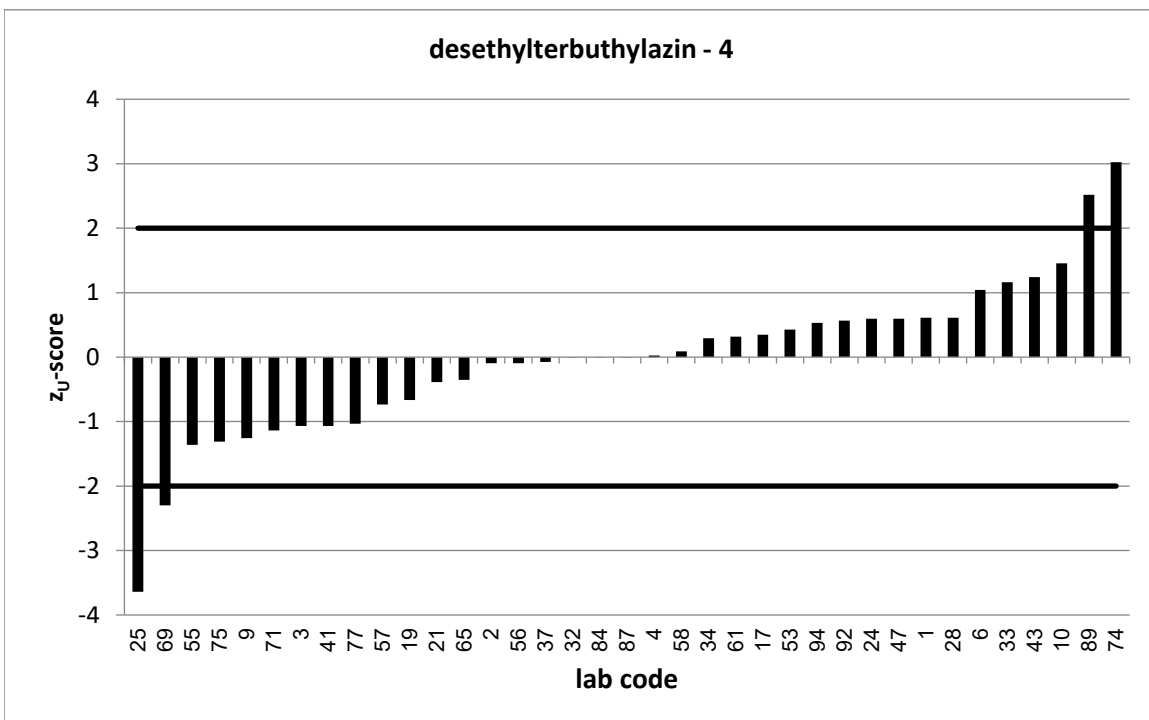
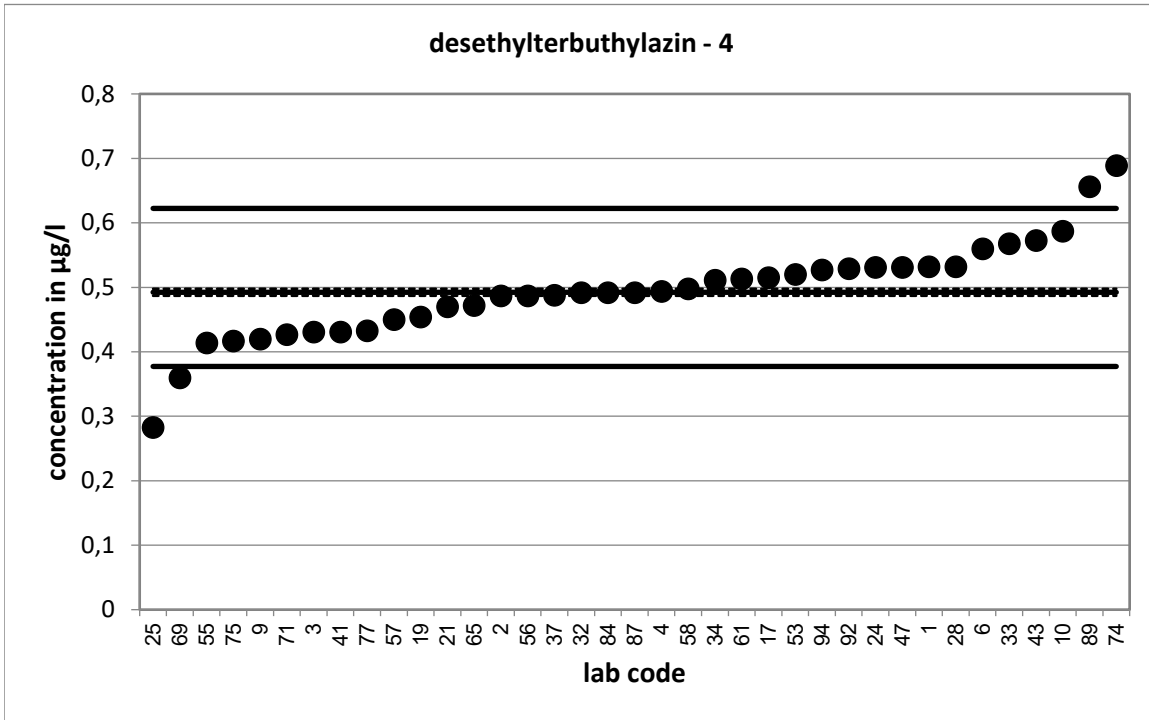


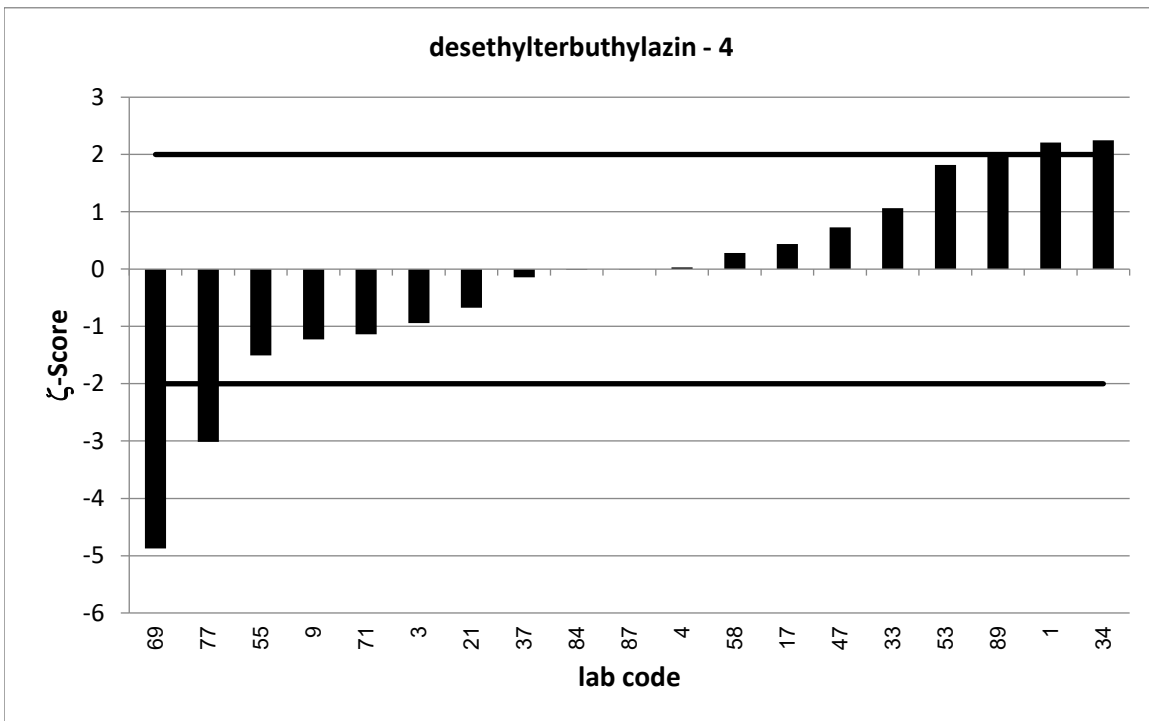
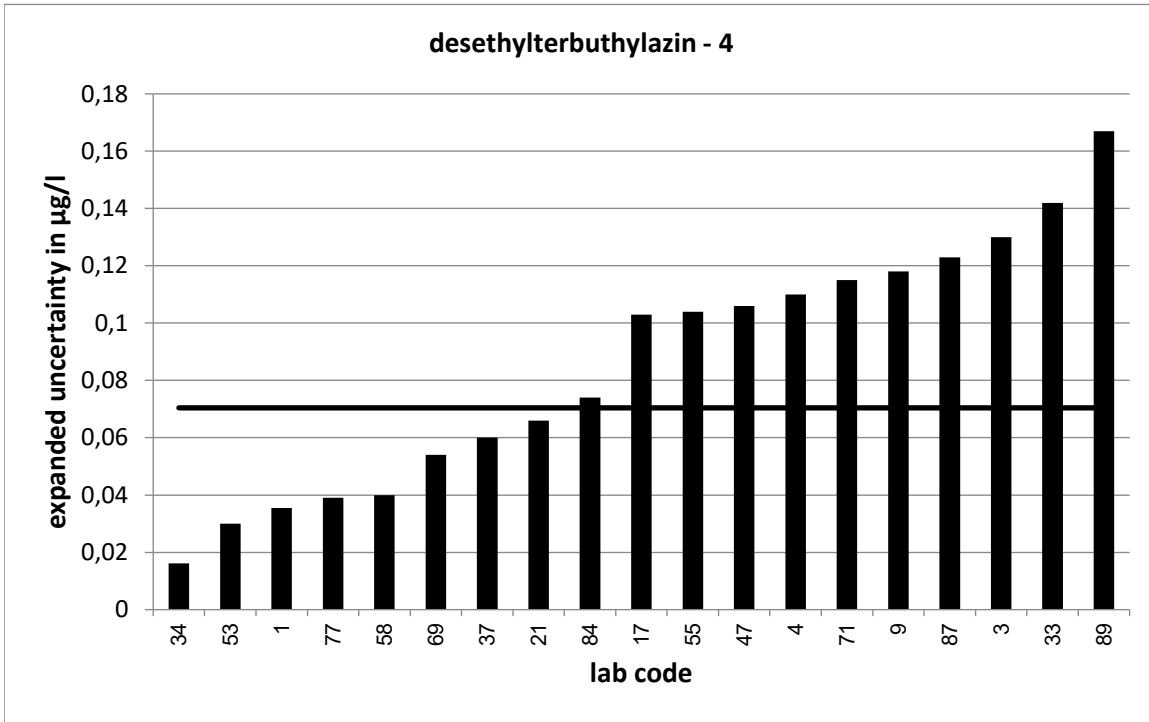


PT 7/20- TW O1		desethylterbuthylazin - 4			
assigned value [$\mu\text{g/l}$]*		0,4923 \pm 0,0054			
upper tolerance limit [$\mu\text{g/l}$]		0,6224			
lower tolerance limit [$\mu\text{g/l}$]		0,3773			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,532	0,036	2,2	0,6	s
2	0,487			-0,1	s
3	0,431	0,13	-0,9	-1,1	s
4	0,494	0,11	0,0	0,0	s
6	0,56			1,0	s
9	0,42	0,118	-1,2	-1,3	s
10	0,587			1,5	s
17	0,515	0,103	0,4	0,3	s
19	0,454			-0,7	s
21	0,47	0,066	-0,7	-0,4	s
24	0,531			0,6	s
25	0,283			-3,6	u
28	0,532			0,6	s
32	0,492			0,0	s
33	0,568	0,142	1,1	1,2	s
34	0,5114	0,016	2,2	0,3	s
37	0,488	0,06	-0,1	-0,1	s
41	0,431			-1,1	s
43	0,573			1,2	s
47	0,531	0,106	0,7	0,6	s
53	0,52	0,03	1,8	0,4	s
55	0,414	0,104	-1,5	-1,4	s
56	0,487			-0,1	s
57	0,45			-0,7	s
58	0,498	0,04	0,3	0,1	s
61	0,513			0,3	s
65	0,472			-0,4	s
69	0,36	0,054	-4,9	-2,3	q
71	0,427	0,115	-1,1	-1,1	s
74	0,689			3,0	u
75	0,417			-1,3	s
77	0,433	0,039	-3,0	-1,0	s
84	0,492	0,074	0,0	0,0	s
87	0,492	0,123	0,0	0,0	s
89	0,656	0,167	2,0	2,5	q
92	0,529			0,6	s
94	0,527			0,5	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

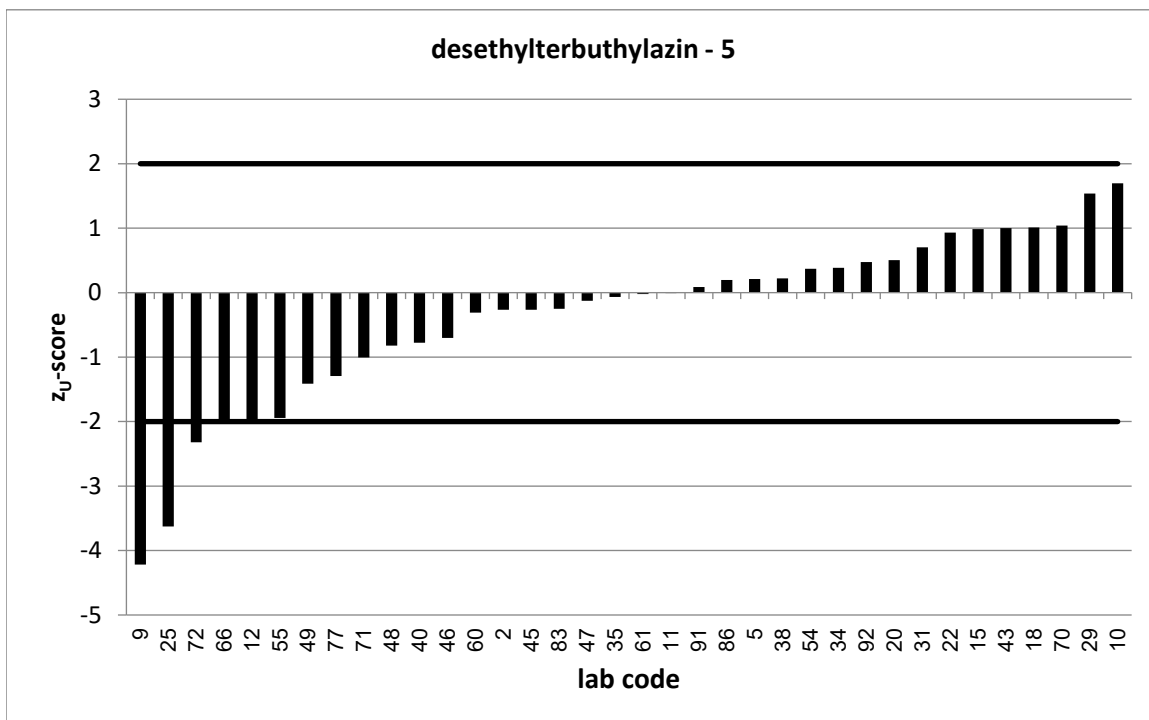
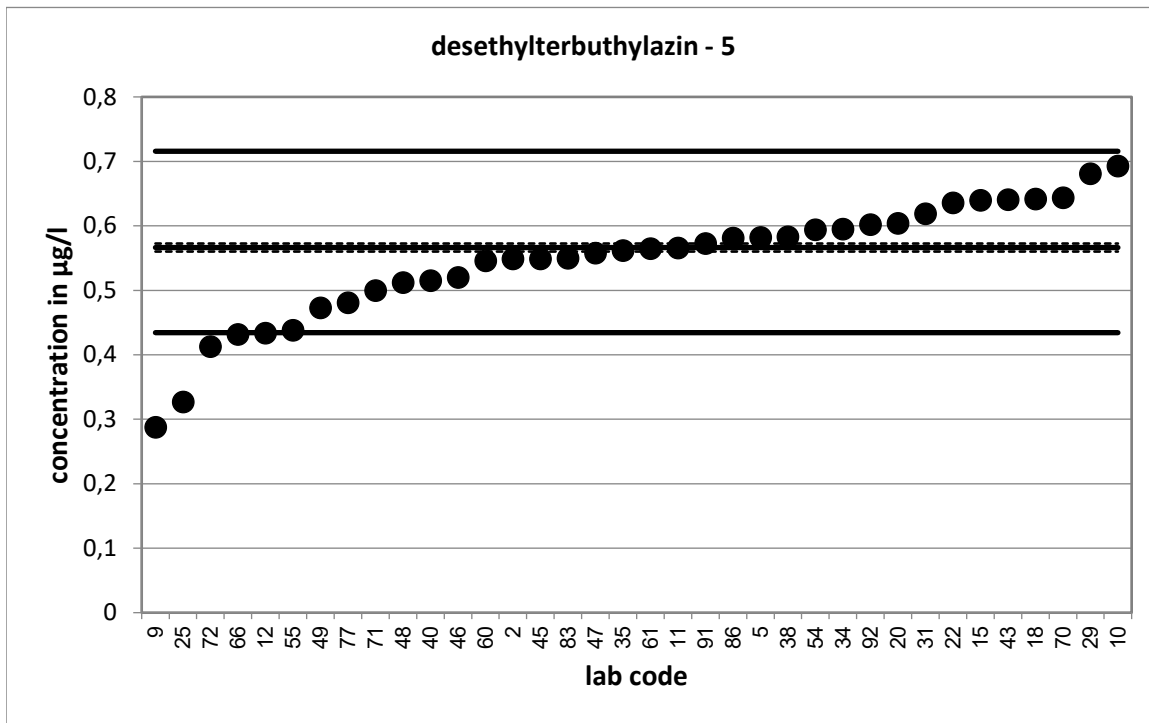


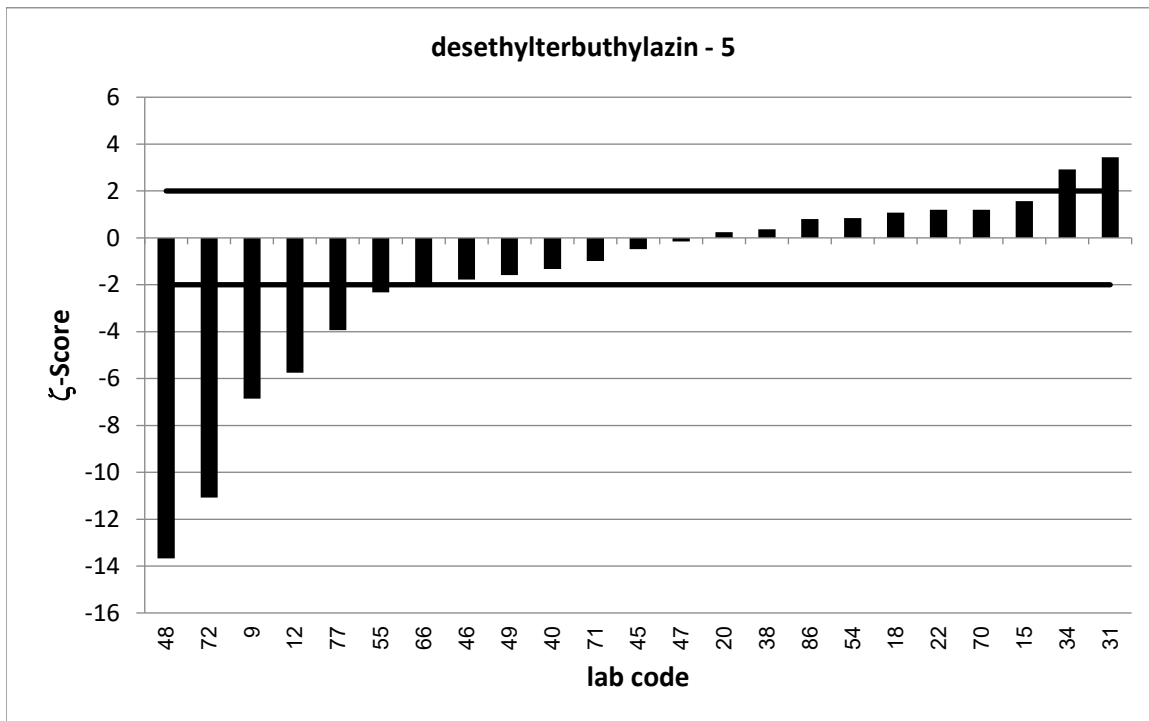
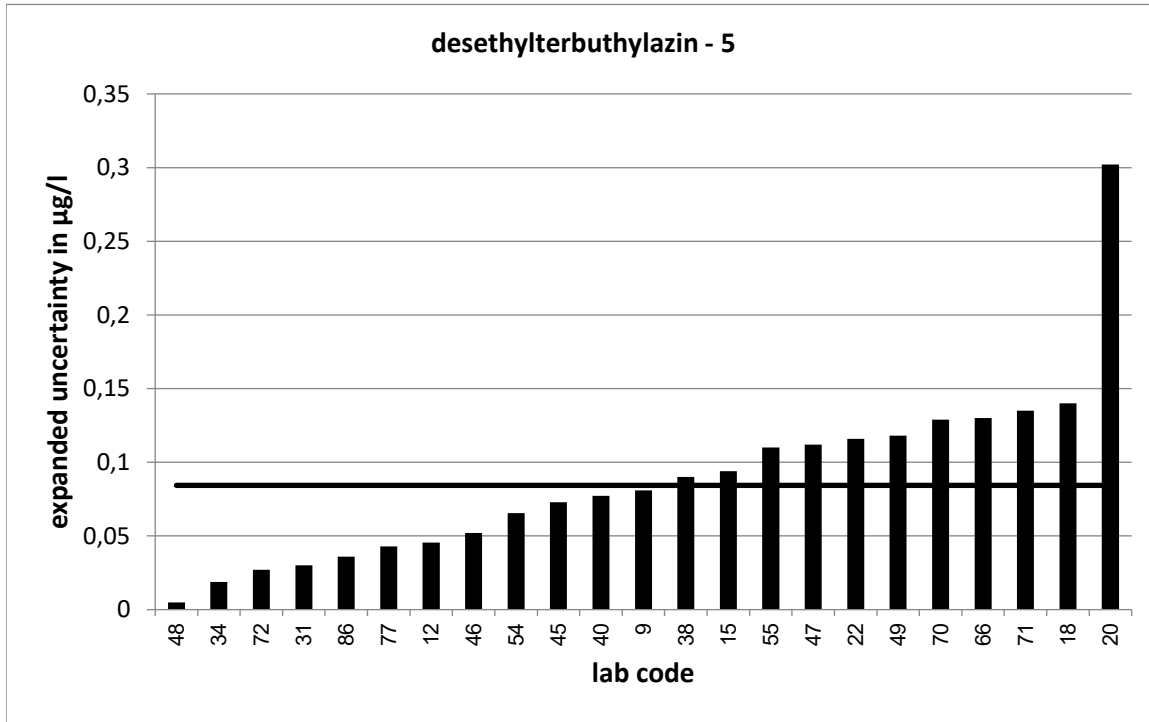


PT 7/20- TW O1		desethylterbuthylazin - 5			
assigned value [$\mu\text{g/l}$]*		0,5664 \pm 0,0062			
upper tolerance limit [$\mu\text{g/l}$]		0,7157			
lower tolerance limit [$\mu\text{g/l}$]		0,4343			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,549			-0,3	s
5	0,582			0,2	s
9	0,288	0,081	-6,9	-4,2	u
10	0,693			1,7	s
11	0,566			0,0	s
12	0,434	0,046	-5,8	-2,0	s
15	0,64	0,094	1,6	1,0	s
18	0,642	0,14	1,1	1,0	s
20	0,604	0,302	0,2	0,5	s
22	0,636	0,116	1,2	0,9	s
25	0,327			-3,6	u
29	0,681			1,5	s
31	0,619	0,03	3,4	0,7	s
34	0,5952	0,019	2,9	0,4	s
35	0,562			-0,1	s
38	0,583	0,09	0,4	0,2	s
40	0,515	0,077	-1,3	-0,8	s
43	0,641			1,0	s
45	0,549	0,073	-0,5	-0,3	s
46	0,52	0,052	-1,8	-0,7	s
47	0,558	0,112	-0,1	-0,1	s
48	0,512	0,005	-13,7	-0,8	s
49	0,473	0,118	-1,6	-1,4	s
54	0,594	0,065	0,8	0,4	s
55	0,438	0,11	-2,3	-1,9	s
60	0,546			-0,3	s
61	0,565			0,0	s
66	0,432	0,13	-2,1	-2,0	s
70	0,644	0,129	1,2	1,0	s
71	0,5	0,135	-1,0	-1,0	s
72	0,413	0,027	-11,1	-2,3	q
77	0,481	0,043	-3,9	-1,3	s
83	0,55			-0,2	s
86	0,581	0,036	0,8	0,2	s
91	0,573			0,1	s
92	0,602			0,5	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

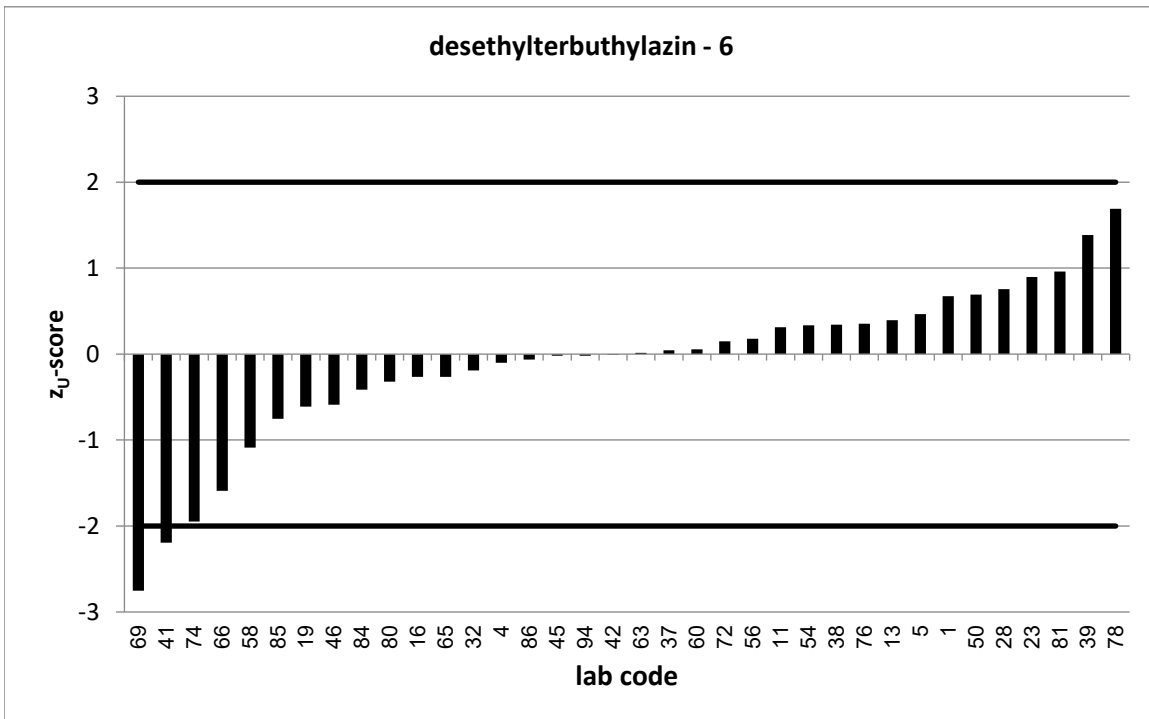
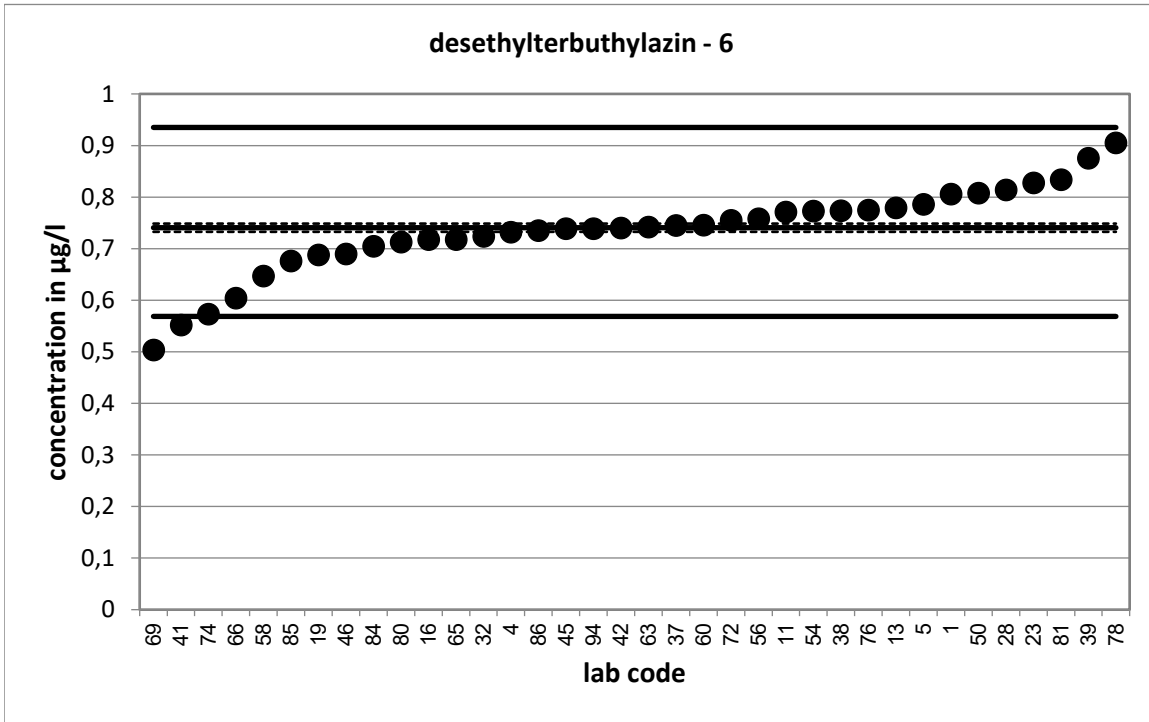


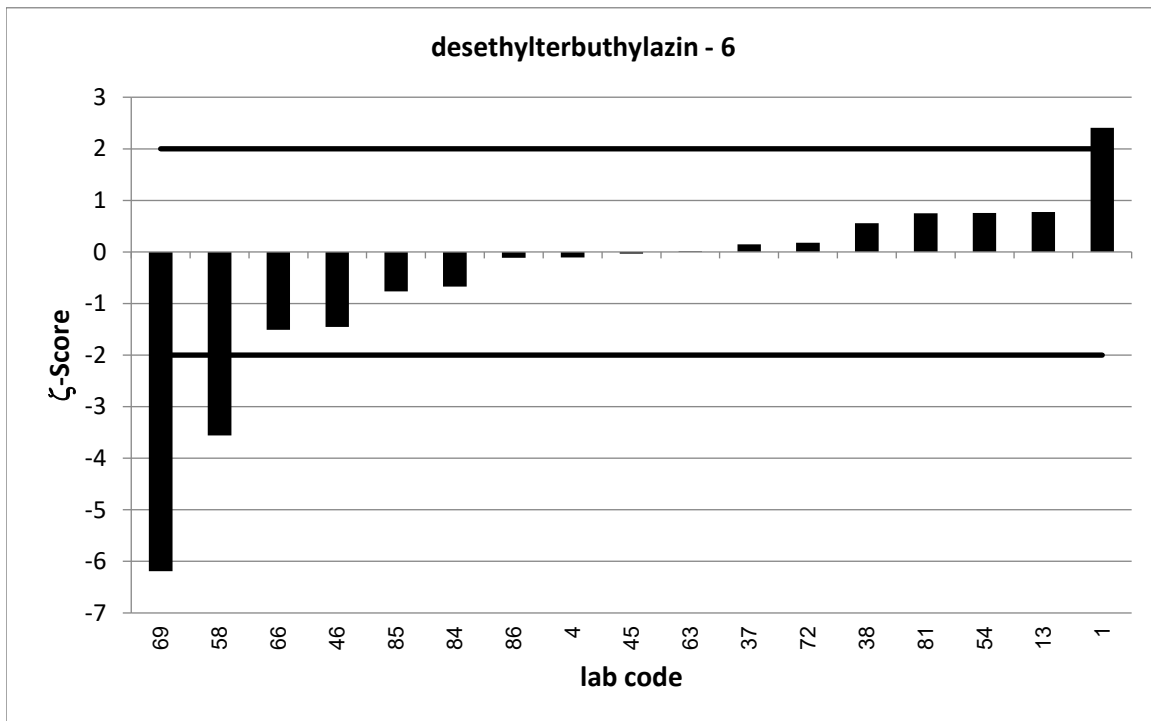
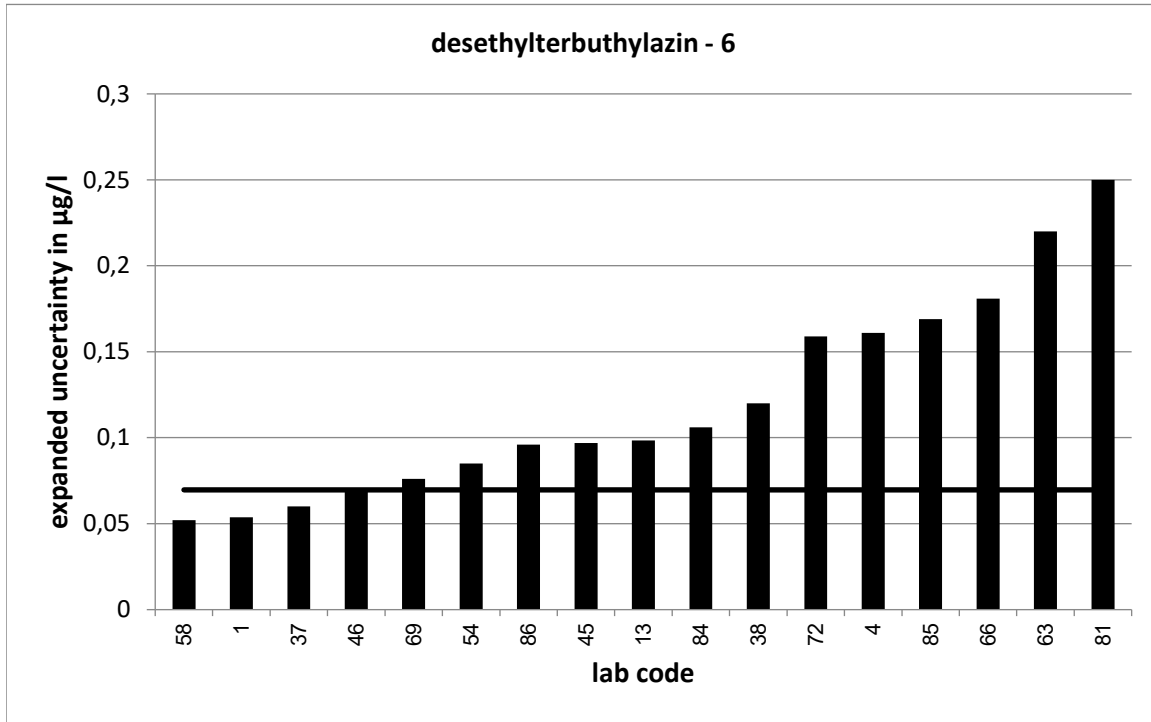


PT 7/20- TW O1		desethylterbutylazin - 6			
assigned value [$\mu\text{g/l}$]*		0,7406 \pm 0,008			
upper tolerance limit [$\mu\text{g/l}$]		0,935			
lower tolerance limit [$\mu\text{g/l}$]		0,5686			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,806	0,054	2,4	0,7	s
4	0,732	0,161	-0,1	-0,1	s
5	0,786			0,5	s
11	0,771			0,3	s
13	0,779	0,099	0,8	0,4	s
16	0,7177			-0,3	s
19	0,688			-0,6	s
23	0,828			0,9	s
28	0,814			0,8	s
32	0,7242			-0,2	s
37	0,745	0,06	0,1	0,0	s
38	0,774	0,12	0,6	0,3	s
39	0,8754			1,4	s
41	0,552			-2,2	q
42	0,74			0,0	s
45	0,739	0,097	0,0	0,0	s
46	0,69	0,069	-1,5	-0,6	s
50	0,808			0,7	s
54	0,773	0,085	0,8	0,3	s
56	0,758			0,2	s
58	0,647	0,052	-3,6	-1,1	s
60	0,746			0,1	s
63	0,742	0,22	0,0	0,0	s
65	0,718			-0,3	s
66	0,604	0,181	-1,5	-1,6	s
69	0,504	0,076	-6,2	-2,8	q
72	0,755	0,159	0,2	0,1	s
74	0,573			-1,9	s
76	0,775			0,4	s
78	0,905			1,7	s
80	0,713			-0,3	s
81	0,834	0,25	0,7	1,0	s
84	0,705	0,106	-0,7	-0,4	s
85	0,676	0,169	-0,8	-0,8	s
86	0,735	0,096	-0,1	-0,1	s
94	0,739			0,0	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

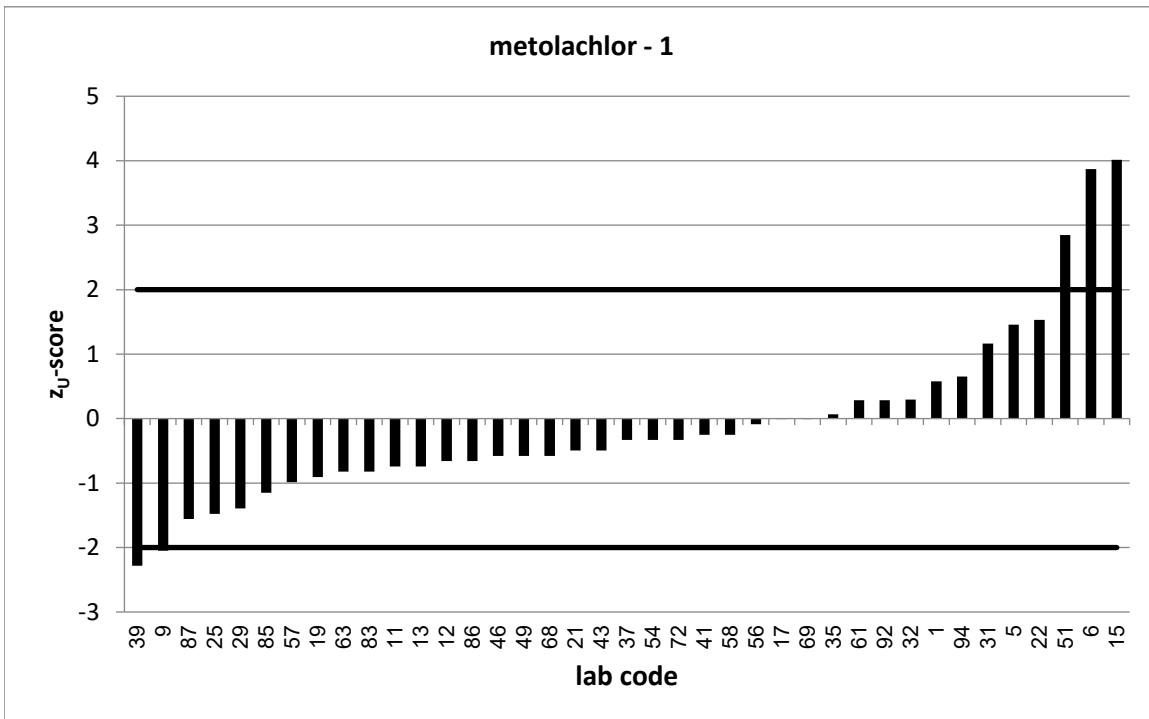
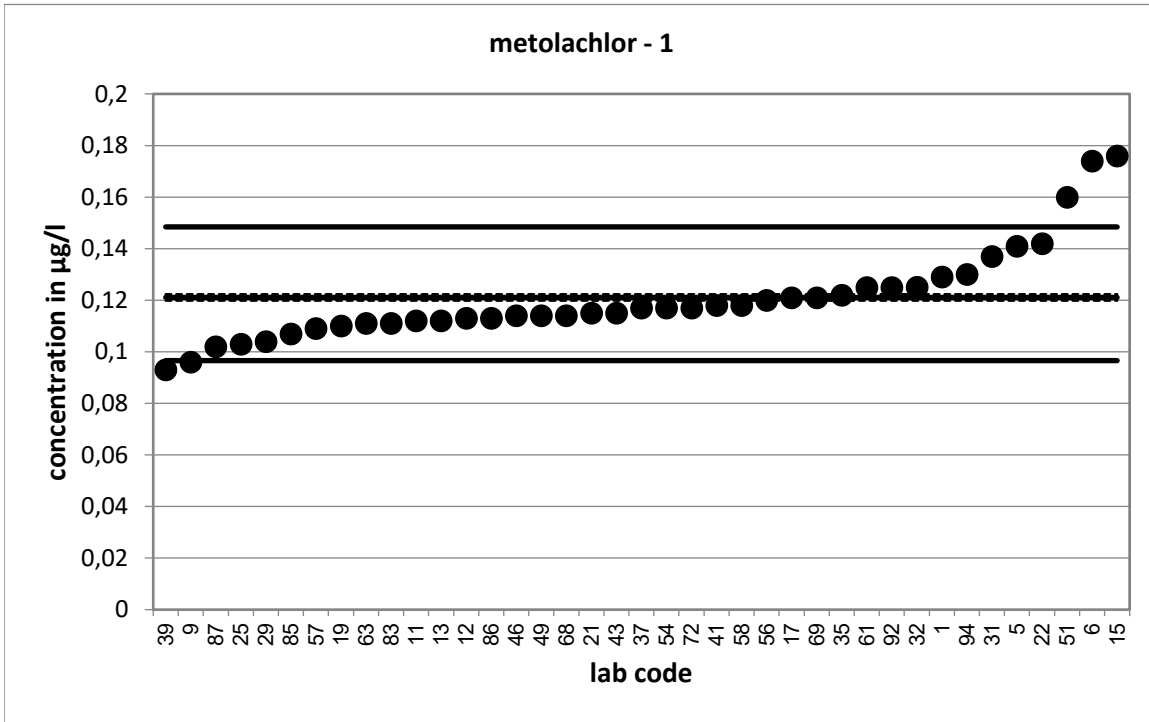


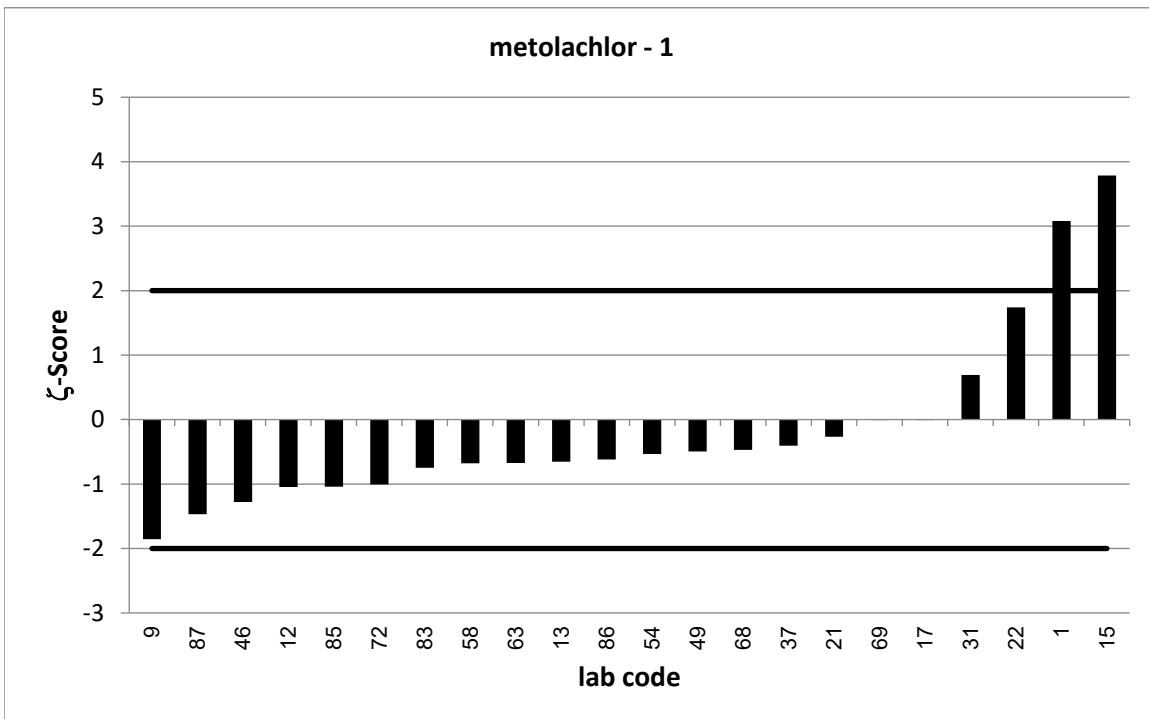
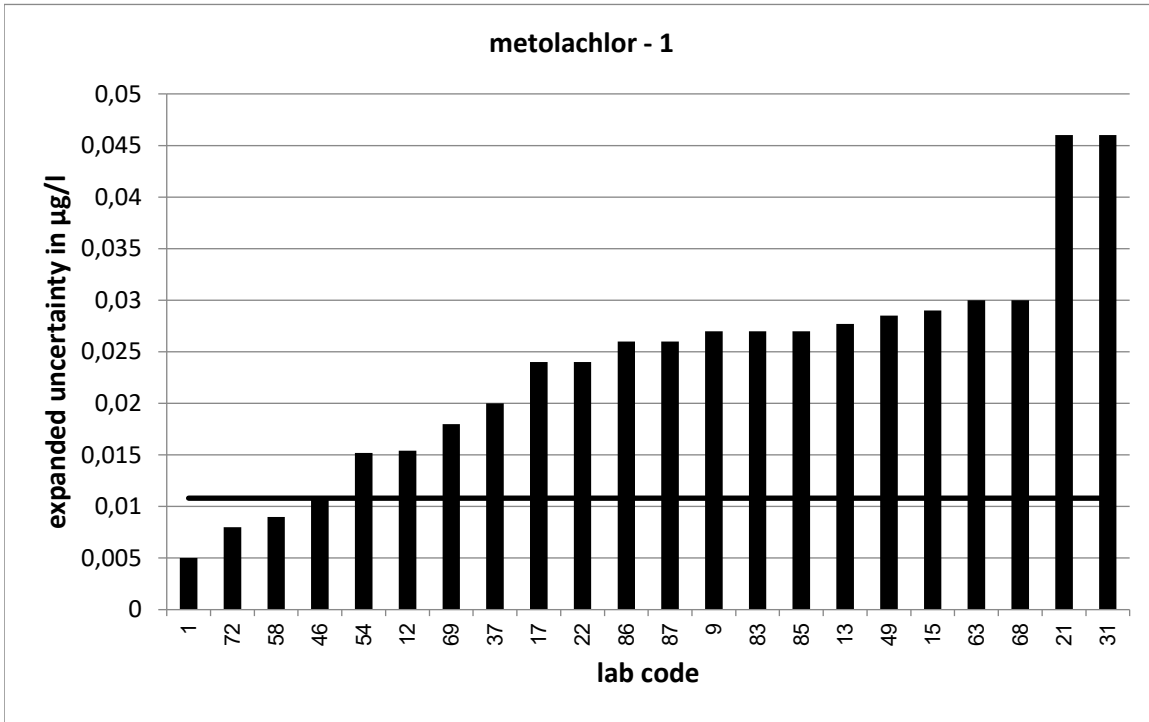


PT 7/20- TW O1		metolachlor - 1			
assigned value [$\mu\text{g/l}$]*		0,1211 \pm 0,0012			
upper tolerance limit [$\mu\text{g/l}$]		0,1484			
lower tolerance limit [$\mu\text{g/l}$]		0,09659			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,129	0,005	3,1	0,6	s
5	0,141			1,5	s
6	0,174			3,9	u
9	0,096	0,027	-1,9	-2,0	s
11	0,112			-0,7	s
12	0,113	0,015	-1,0	-0,7	s
13	0,112	0,028	-0,7	-0,7	s
15	0,176	0,029	3,8	4,0	u
17	0,121	0,024	0,0	0,0	s
19	0,11			-0,9	s
21	0,115	0,046	-0,3	-0,5	s
22	0,142	0,024	1,7	1,5	s
25	0,103			-1,5	s
29	0,104			-1,4	s
31	0,137	0,046	0,7	1,2	s
32	0,1251			0,3	s
35	0,122			0,1	s
37	0,117	0,02	-0,4	-0,3	s
39	0,0931			-2,3	q
41	0,118			-0,3	s
43	0,115			-0,5	s
46	0,114	0,011	-1,3	-0,6	s
49	0,114	0,029	-0,5	-0,6	s
51	0,16			2,8	q
54	0,117	0,015	-0,5	-0,3	s
56	0,12			-0,1	s
57	0,109			-1,0	s
58	0,118	0,009	-0,7	-0,3	s
61	0,125			0,3	s
63	0,111	0,03	-0,7	-0,8	s
68	0,114	0,03	-0,5	-0,6	s
69	0,121	0,018	0,0	0,0	s
72	0,117	0,008	-1,0	-0,3	s
83	0,111	0,027	-0,7	-0,8	s
85	0,107	0,027	-1,0	-1,1	s
86	0,113	0,026	-0,6	-0,7	s
87	0,102	0,026	-1,5	-1,6	s
92	0,125			0,3	s
94	0,13			0,7	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

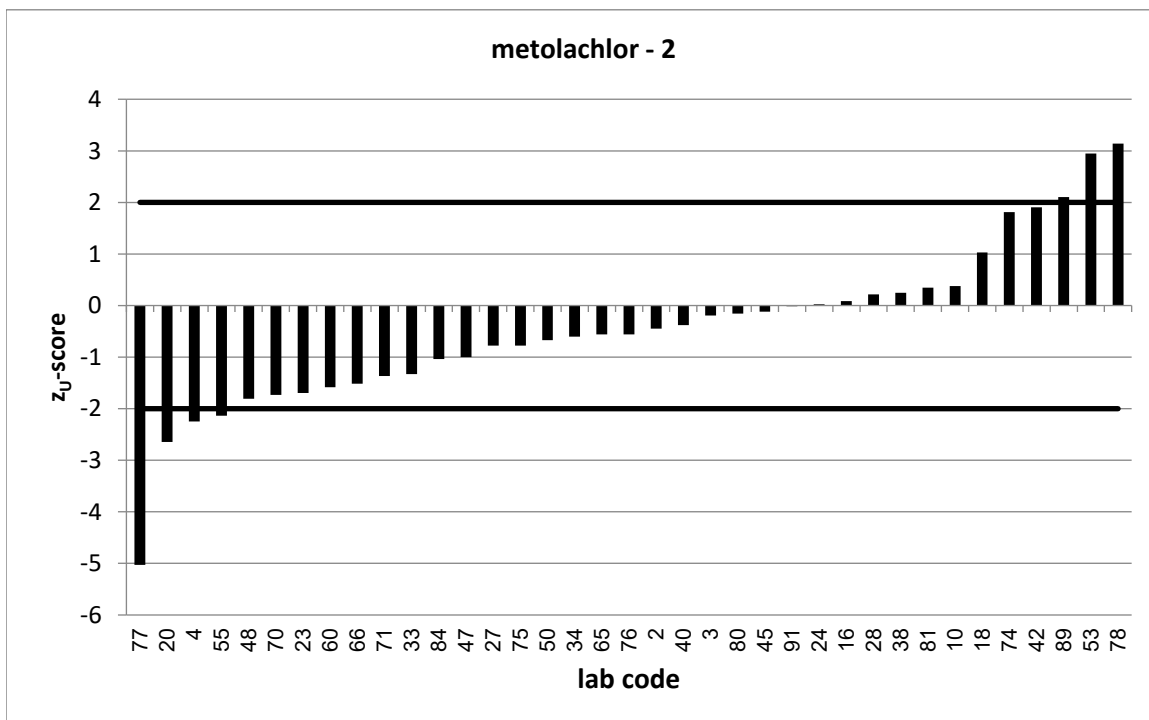
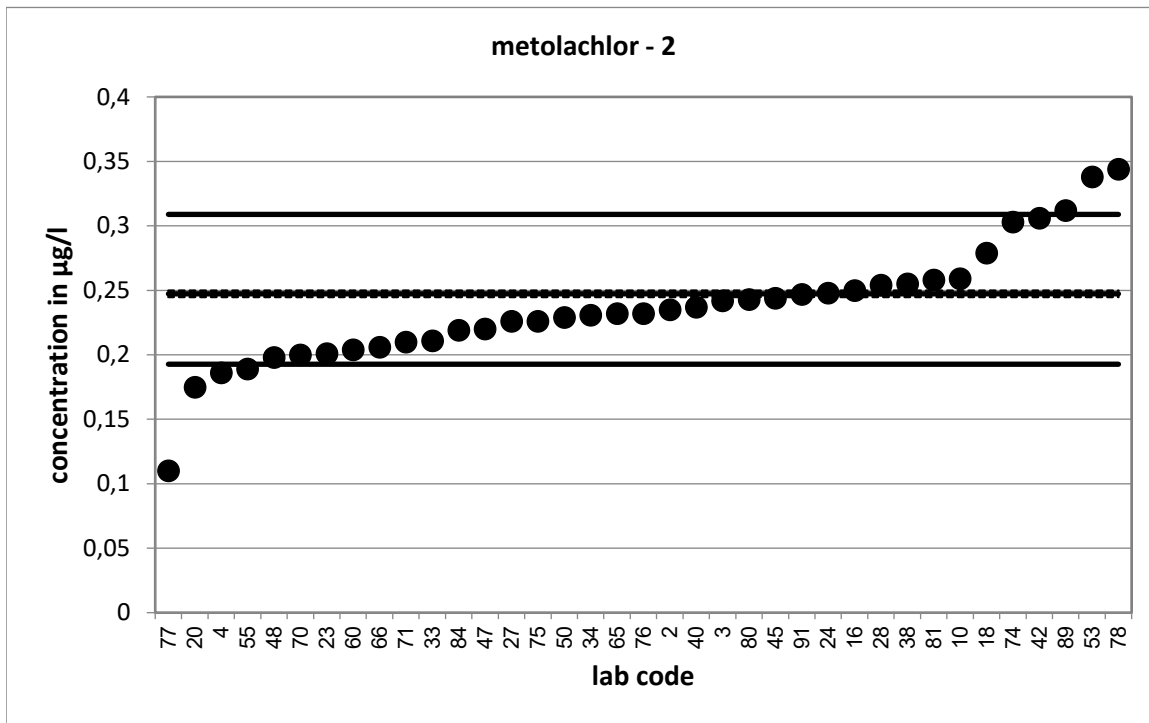


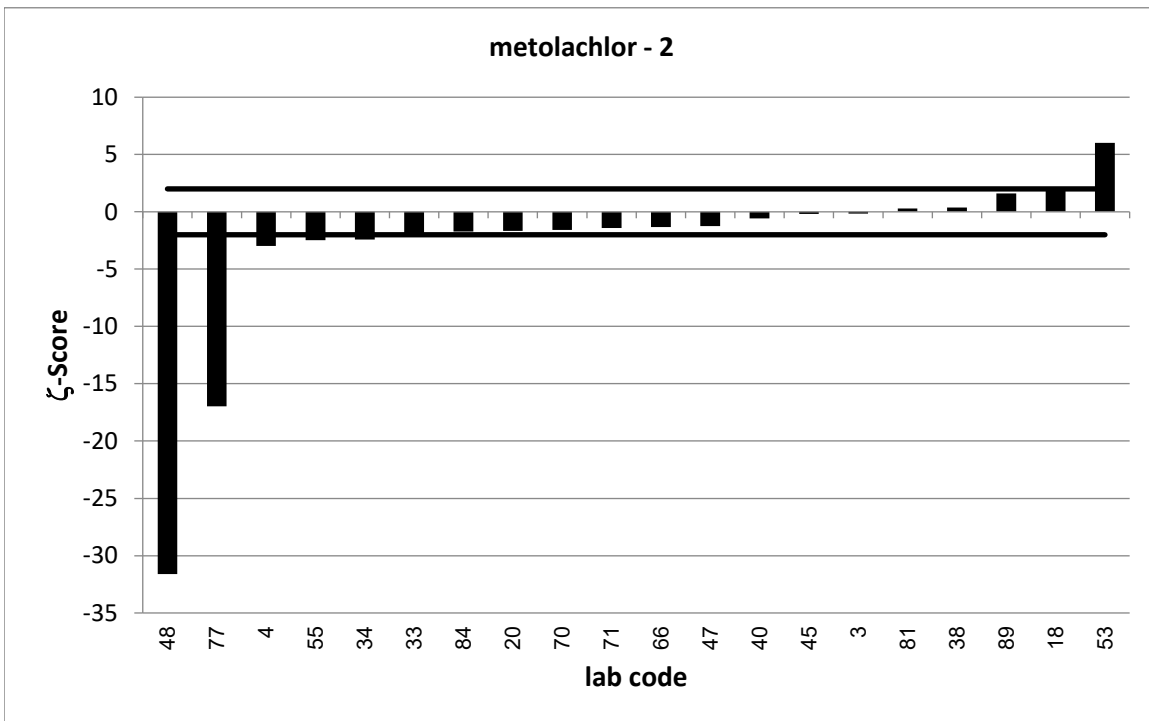
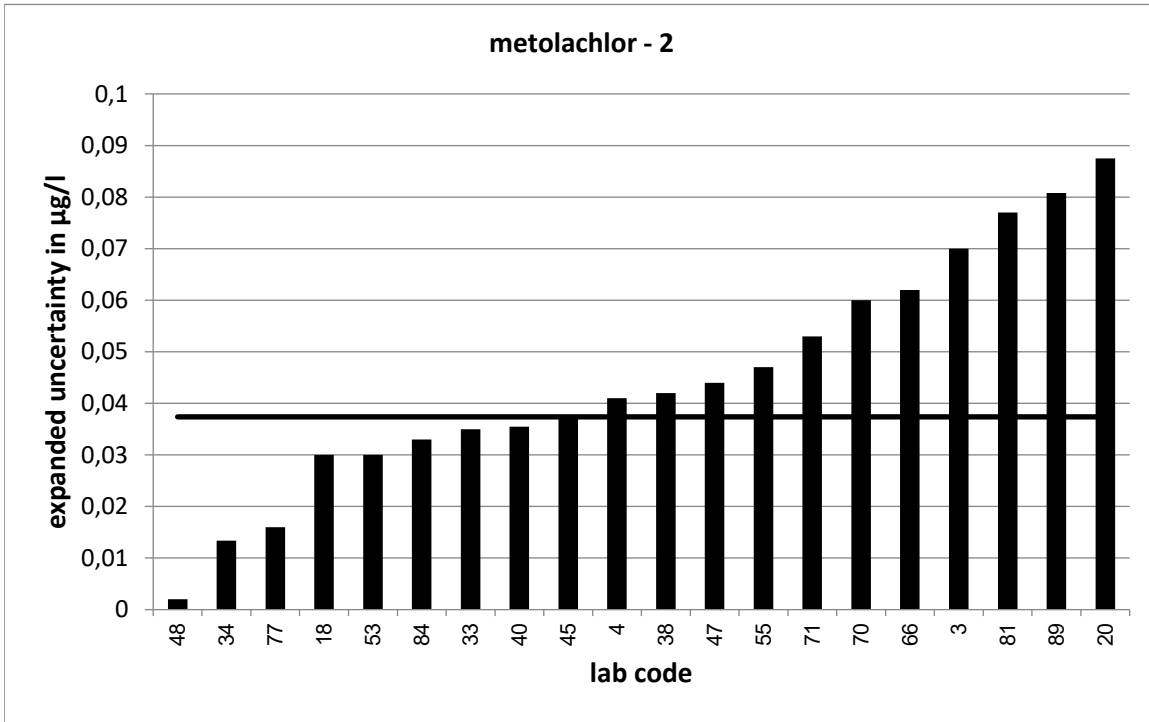


PT 7/20- TW O1		metolachlor - 2			
assigned value [$\mu\text{g/l}$]*		0,2473 \pm 0,0024			
upper tolerance limit [$\mu\text{g/l}$]		0,3089			
lower tolerance limit [$\mu\text{g/l}$]		0,1927			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,235			-0,4	s
3	0,242	0,07	-0,2	-0,2	s
4	0,186	0,041	-3,0	-2,2	q
10	0,259			0,4	s
16	0,25			0,1	s
18	0,279	0,03	2,1	1,0	s
20	0,175	0,088	-1,7	-2,6	q
23	0,201			-1,7	s
24	0,248			0,0	s
27	0,226			-0,8	s
28	0,254			0,2	s
33	0,211	0,035	-2,1	-1,3	s
34	0,2308	0,013	-2,4	-0,6	s
38	0,255	0,042	0,4	0,3	s
40	0,237	0,036	-0,6	-0,4	s
42	0,306			1,9	s
45	0,244	0,037	-0,2	-0,1	s
47	0,22	0,044	-1,2	-1,0	s
48	0,198	0,002	-31,6	-1,8	s
50	0,229			-0,7	s
53	0,338	0,03	6,0	2,9	q
55	0,189	0,047	-2,5	-2,1	q
60	0,204			-1,6	s
65	0,232			-0,6	s
66	0,206	0,062	-1,3	-1,5	s
70	0,2	0,06	-1,6	-1,7	s
71	0,21	0,053	-1,4	-1,4	s
74	0,303			1,8	s
75	0,226			-0,8	s
76	0,232			-0,6	s
77	0,11	0,016	-17,0	-5,0	u
78	0,344			3,1	u
80	0,243			-0,2	s
81	0,258	0,077	0,3	0,3	s
84	0,219	0,033	-1,7	-1,0	s
89	0,312	0,081	1,6	2,1	q
91	0,247			0,0	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

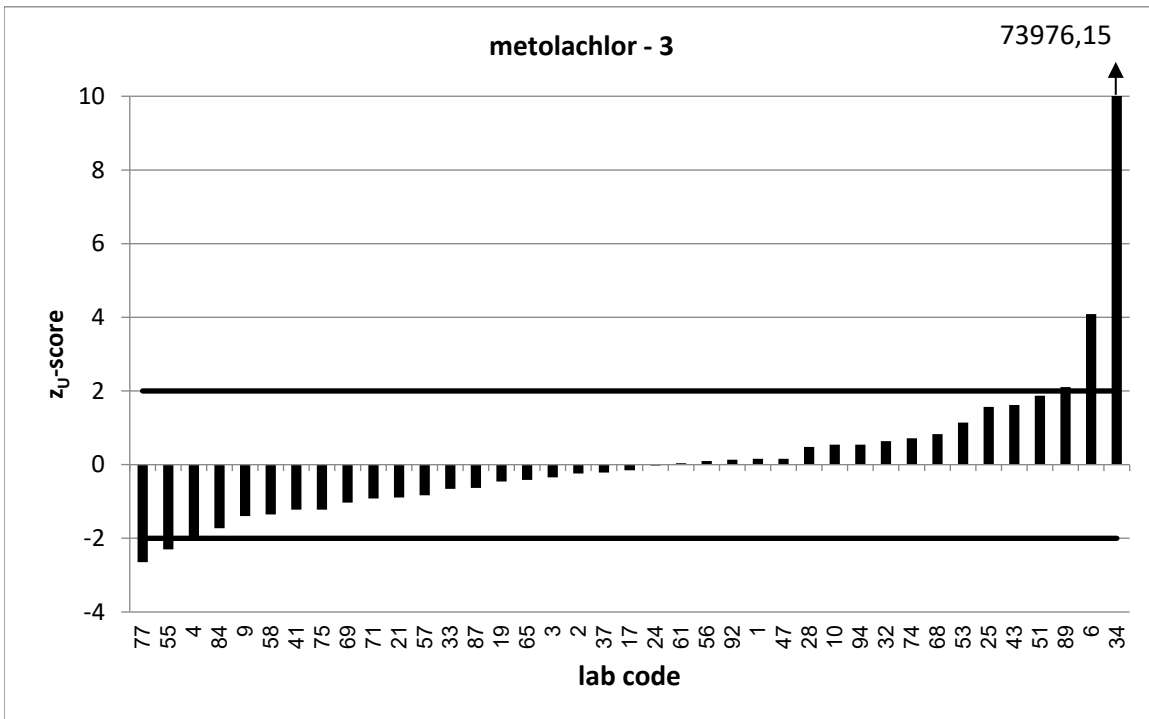
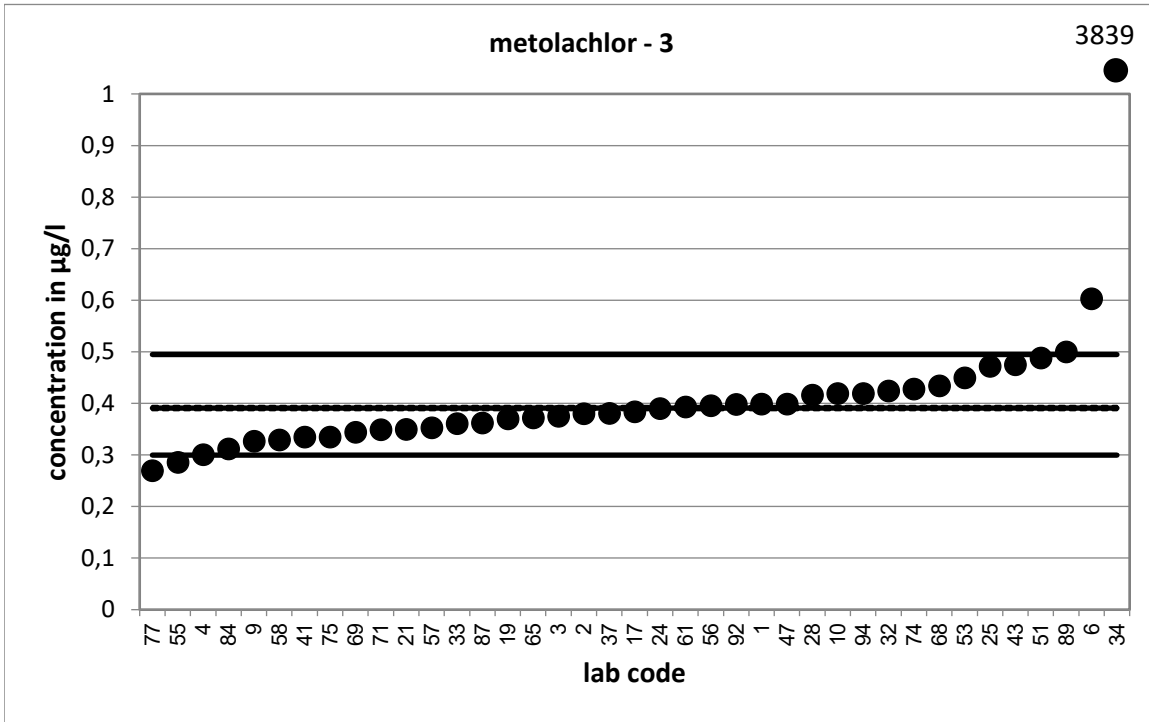


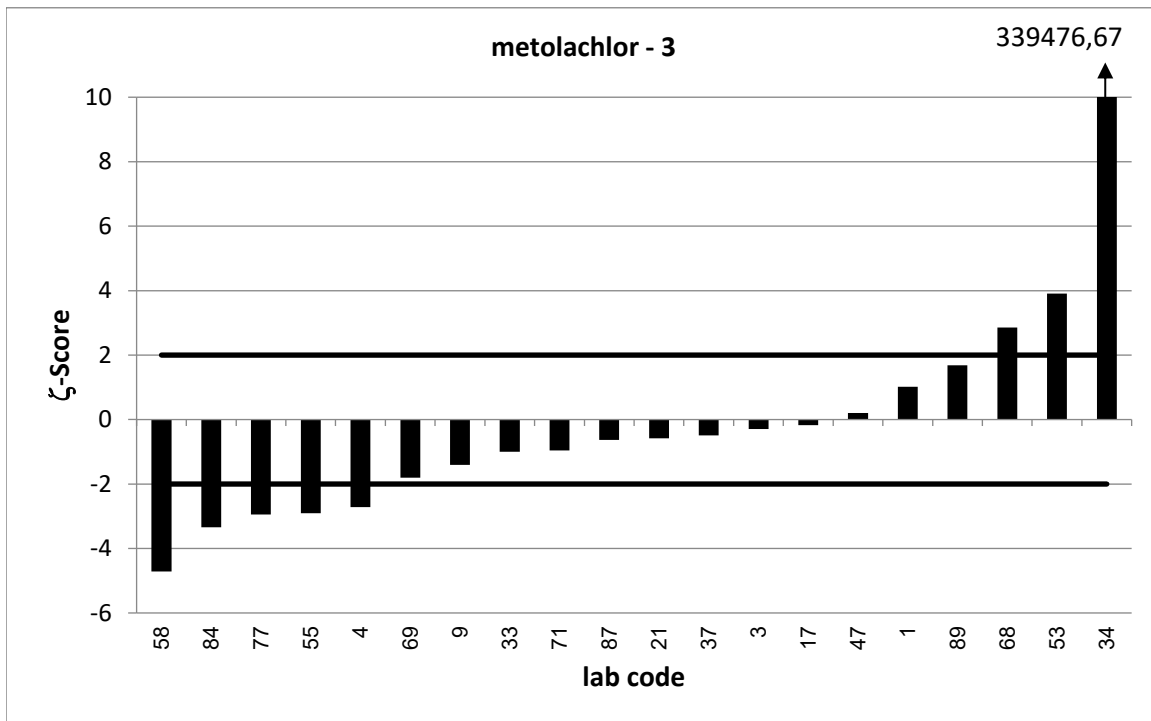
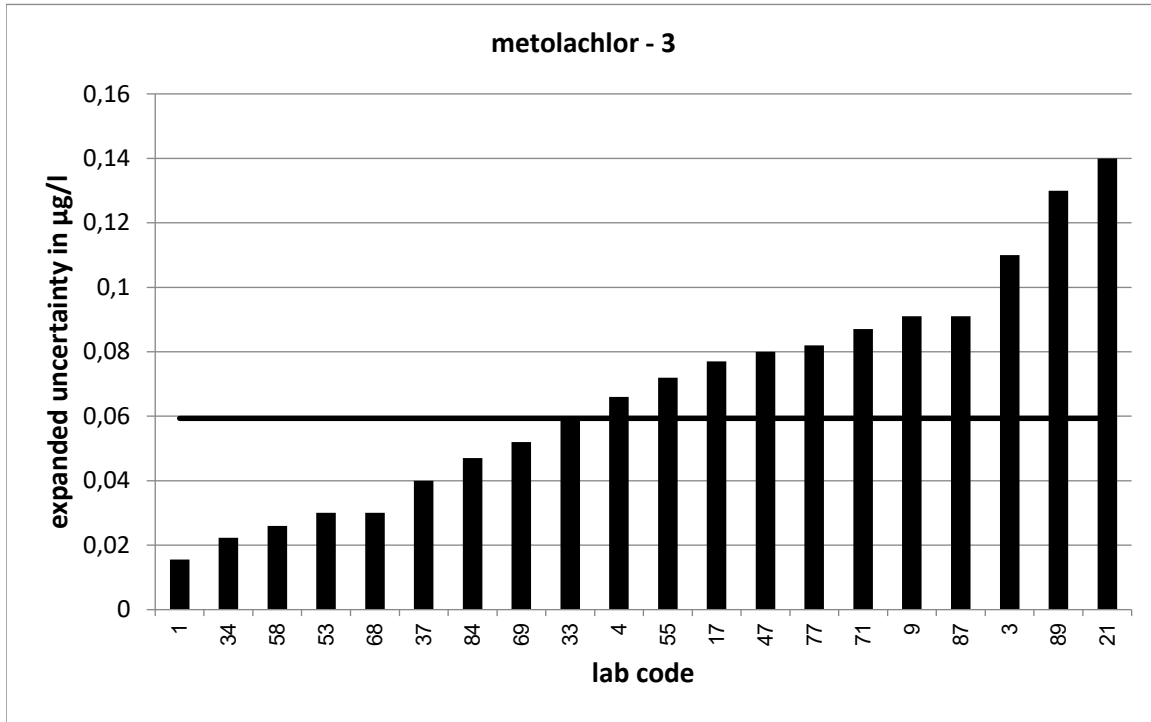


PT 7/20- TW O1		metolachlor - 3			
assigned value [$\mu\text{g/l}$]*		0,3909 \pm 0,0038			
upper tolerance limit [$\mu\text{g/l}$]		0,4947			
lower tolerance limit [$\mu\text{g/l}$]		0,2997			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,399	0,016	1,0	0,2	s
2	0,38			-0,2	s
3	0,375	0,11	-0,3	-0,3	s
4	0,301	0,066	-2,7	-2,0	s
6	0,603			4,1	u
9	0,327	0,091	-1,4	-1,4	s
10	0,419			0,5	s
17	0,384	0,077	-0,2	-0,2	s
19	0,37			-0,5	s
21	0,35	0,14	-0,6	-0,9	s
24	0,39			0,0	s
25	0,472			1,6	s
28	0,416			0,5	s
32	0,4241			0,6	s
33	0,361	0,06	-1,0	-0,7	s
34	3839	0,022	#####	73976,1	u
37	0,381	0,04	-0,5	-0,2	s
41	0,335			-1,2	s
43	0,475			1,6	s
47	0,399	0,08	0,2	0,2	s
51	0,488			1,9	s
53	0,45	0,03	3,9	1,1	s
55	0,286	0,072	-2,9	-2,3	q
56	0,396			0,1	s
57	0,353			-0,8	s
58	0,329	0,026	-4,7	-1,4	s
61	0,393			0,0	s
65	0,372			-0,4	s
68	0,434	0,03	2,8	0,8	s
69	0,344	0,052	-1,8	-1,0	s
71	0,349	0,087	-1,0	-0,9	s
74	0,428			0,7	s
75	0,335			-1,2	s
77	0,27	0,082	-2,9	-2,7	q
84	0,312	0,047	-3,3	-1,7	s
87	0,362	0,091	-0,6	-0,6	s
89	0,5	0,13	1,7	2,1	q
92	0,398			0,1	s
94	0,419			0,5	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

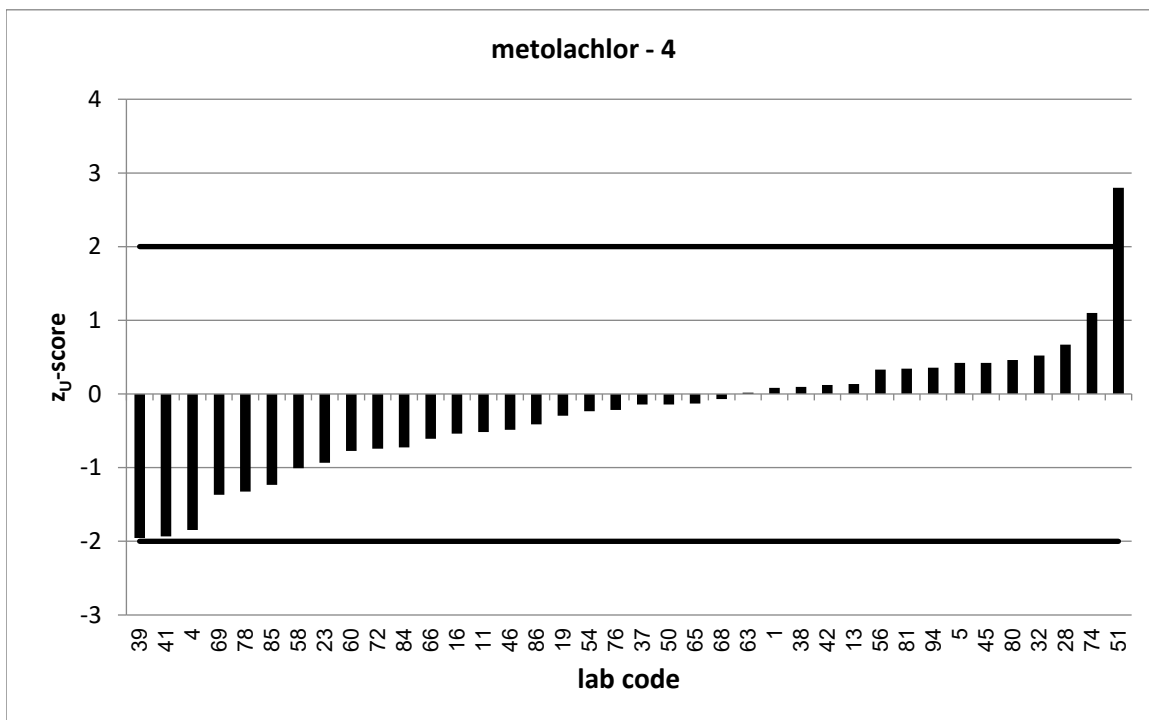
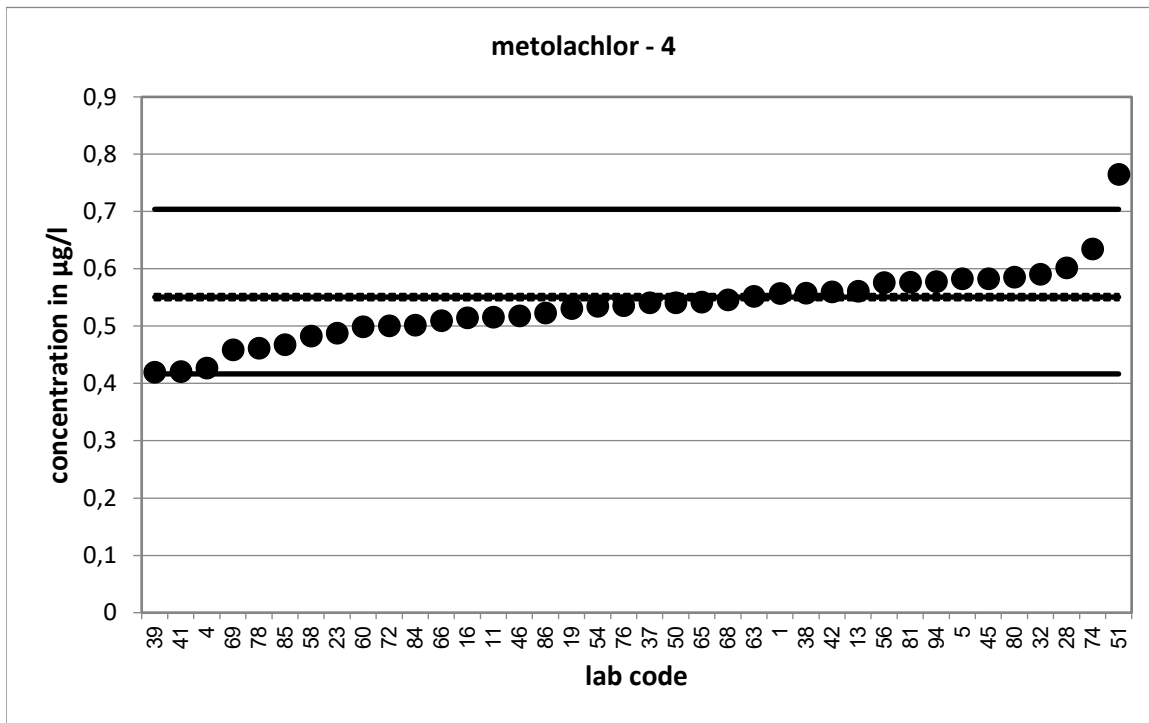


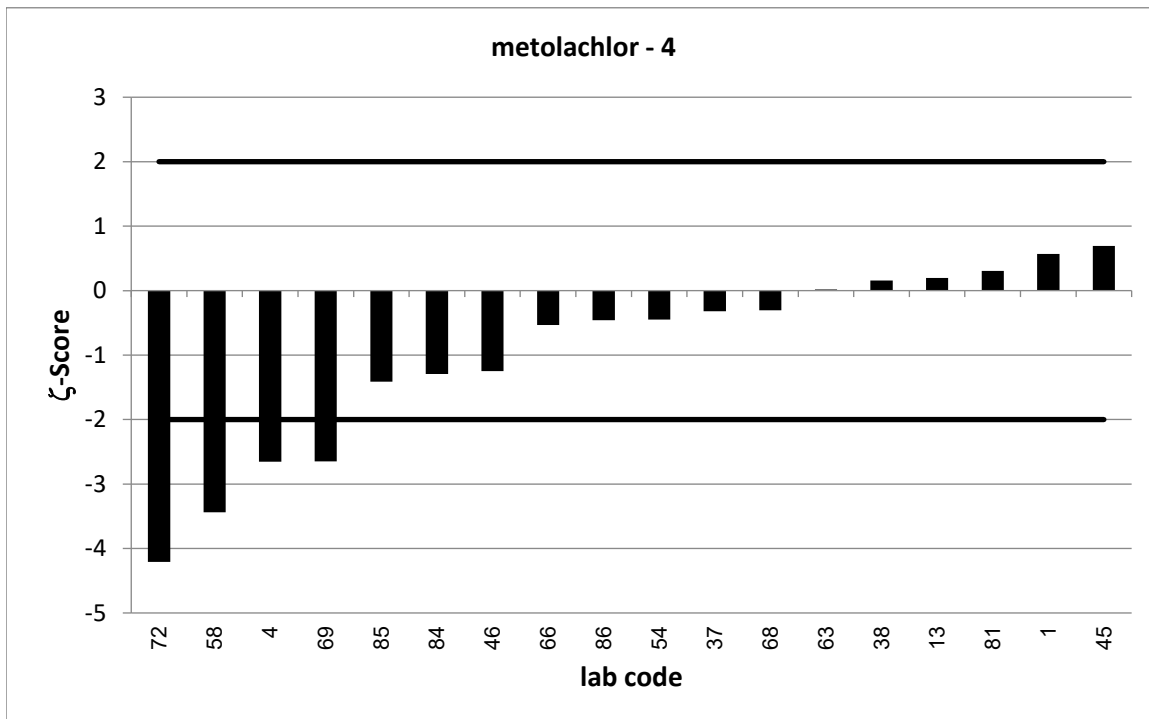
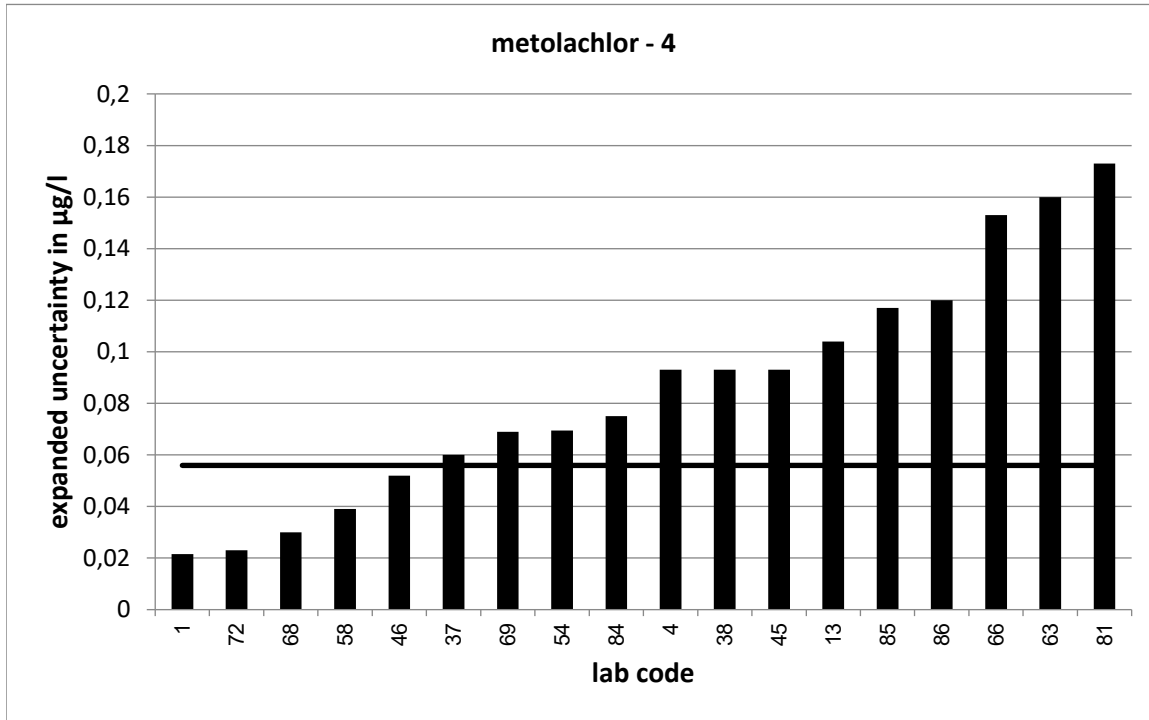


PT 7/20- TW O1		metolachlor - 4			
assigned value [$\mu\text{g/l}$]*		0,5507 \pm 0,0053			
upper tolerance limit [$\mu\text{g/l}$]		0,7039			
lower tolerance limit [$\mu\text{g/l}$]		0,4166			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
1	0,557	0,022	0,6	0,1	s
4	0,427	0,093	-2,7	-1,8	s
5	0,583			0,4	s
11	0,516			-0,5	s
13	0,561	0,104	0,2	0,1	s
16	0,5147			-0,5	s
19	0,531			-0,3	s
23	0,488			-0,9	s
28	0,602			0,7	s
32	0,5905			0,5	s
37	0,541	0,06	-0,3	-0,1	s
38	0,558	0,093	0,2	0,1	s
39	0,4198			-2,0	s
41	0,421			-1,9	s
42	0,56			0,1	s
45	0,583	0,093	0,7	0,4	s
46	0,518	0,052	-1,2	-0,5	s
50	0,541			-0,1	s
51	0,765			2,8	q
54	0,535	0,07	-0,4	-0,2	s
56	0,576			0,3	s
58	0,483	0,039	-3,4	-1,0	s
60	0,499			-0,8	s
63	0,552	0,16	0,0	0,0	s
65	0,542			-0,1	s
66	0,51	0,153	-0,5	-0,6	s
68	0,546	0,03	-0,3	-0,1	s
69	0,459	0,069	-2,6	-1,4	s
72	0,501	0,023	-4,2	-0,7	s
74	0,635			1,1	s
76	0,536			-0,2	s
78	0,462			-1,3	s
80	0,586			0,5	s
81	0,577	0,173	0,3	0,3	s
84	0,502	0,075	-1,3	-0,7	s
85	0,468	0,117	-1,4	-1,2	s
86	0,523	0,12	-0,5	-0,4	s
94	0,578			0,4	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

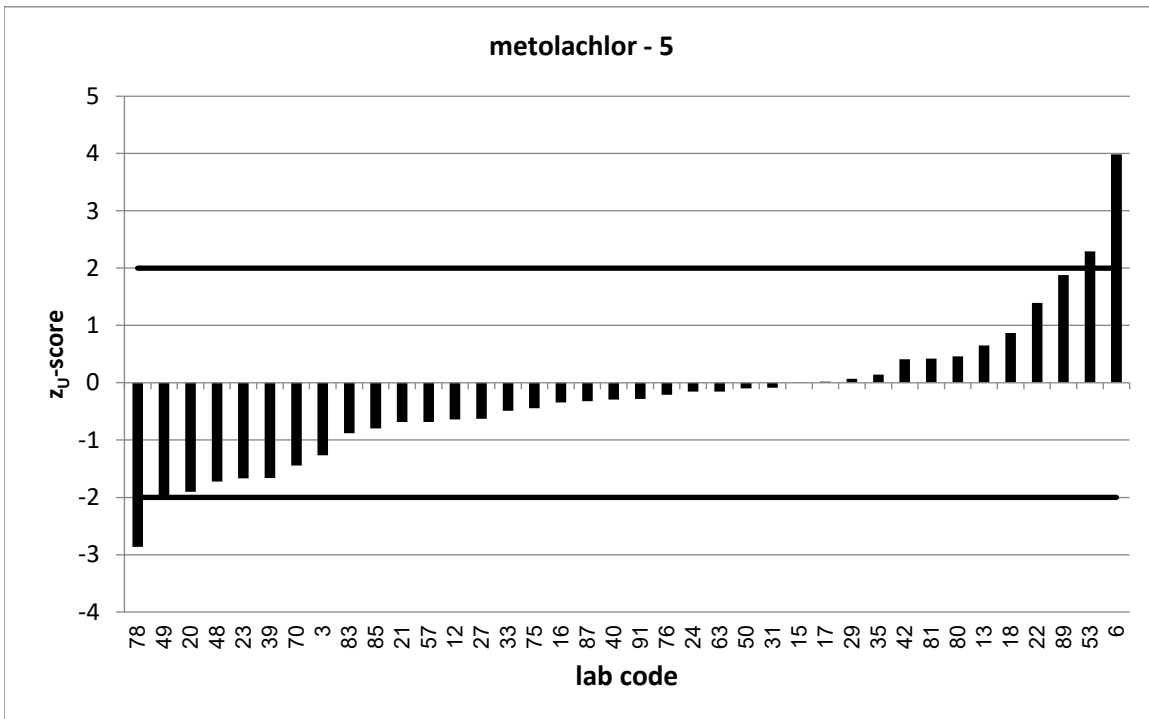
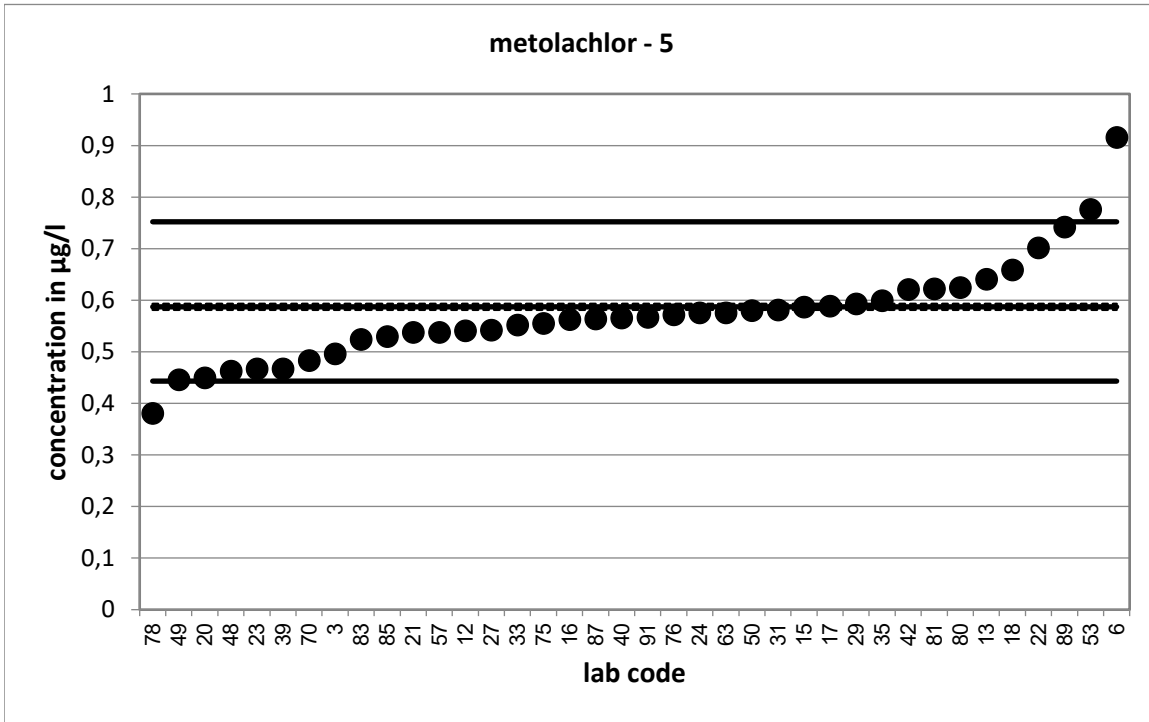


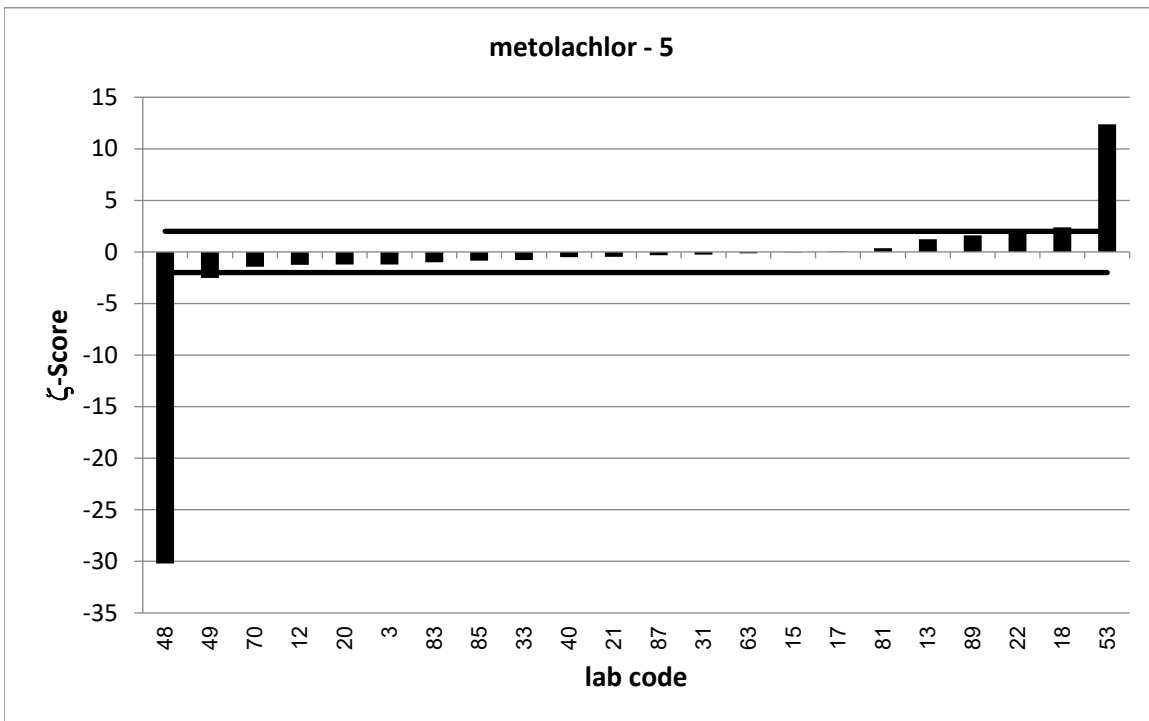
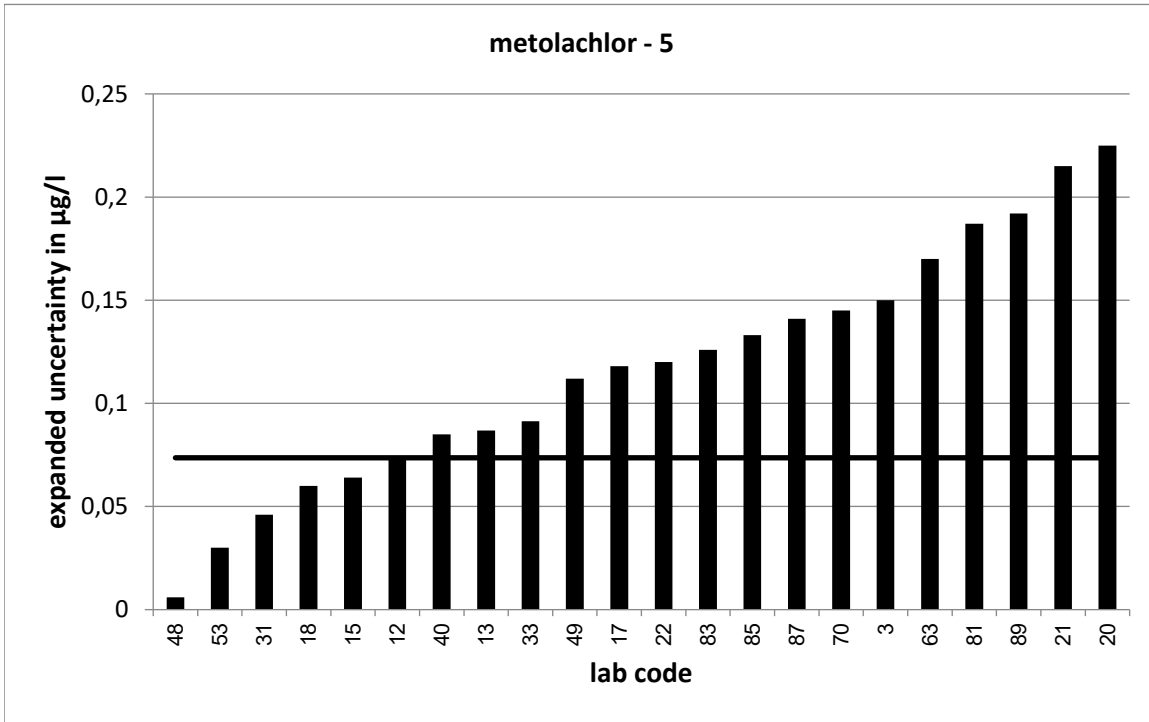


PT 7/20- TW O1		metolachlor - 5			
assigned value [$\mu\text{g/l}$]*		0,5872 \pm 0,0056			
upper tolerance limit [$\mu\text{g/l}$]		0,7521			
lower tolerance limit [$\mu\text{g/l}$]		0,4431			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
3	0,496	0,15	-1,2	-1,3	s
6	0,916			4,0	u
12	0,541	0,074	-1,3	-0,6	s
13	0,641	0,087	1,2	0,7	s
15	0,587	0,064	0,0	0,0	s
16	0,5626			-0,3	s
17	0,589	0,118	0,0	0,0	s
18	0,659	0,06	2,4	0,9	s
20	0,45	0,225	-1,2	-1,9	s
21	0,538	0,215	-0,5	-0,7	s
22	0,702	0,12	1,9	1,4	s
23	0,467			-1,7	s
24	0,576			-0,2	s
27	0,542			-0,6	s
29	0,593			0,1	s
31	0,581	0,046	-0,3	-0,1	s
33	0,552	0,091	-0,8	-0,5	s
35	0,599			0,1	s
39	0,4673			-1,7	s
40	0,566	0,085	-0,5	-0,3	s
42	0,621			0,4	s
48	0,463	0,006	-30,2	-1,7	s
49	0,446	0,112	-2,5	-2,0	s
50	0,58			-0,1	s
53	0,776	0,03	12,4	2,3	q
57	0,538			-0,7	s
63	0,576	0,17	-0,1	-0,2	s
70	0,483	0,145	-1,4	-1,4	s
75	0,555			-0,4	s
76	0,572			-0,2	s
78	0,381			-2,9	q
80	0,625			0,5	s
81	0,622	0,187	0,4	0,4	s
83	0,524	0,126	-1,0	-0,9	s
85	0,53	0,133	-0,9	-0,8	s
87	0,564	0,141	-0,3	-0,3	s
89	0,742	0,192	1,6	1,9	s
91	0,567			-0,3	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory





PT 7/20- TW O1		metolachlor - 6			
assigned value [$\mu\text{g/l}$]*		0,8259 \pm 0,0079			
upper tolerance limit [$\mu\text{g/l}$]		1,069			
lower tolerance limit [$\mu\text{g/l}$]		0,6147			
lab code	result [$\mu\text{g/l}$]	\pm	ζ -score	z_U -score	assessm.**
2	0,782			-0,4	s
5	0,931			0,9	s
9	0,423	0,119	-6,8	-3,8	u
10	0,88			0,4	s
11	0,765			-0,6	s
12	0,77	0,105	-1,1	-0,5	s
15	0,942	0,106	2,2	1,0	s
18	0,941	0,02	10,7	0,9	s
20	0,663	0,332	-1,0	-1,5	s
22	0,918	0,157	1,2	0,8	s
25	0,754			-0,7	s
27	0,737			-0,8	s
29	0,864			0,3	s
31	1,098	0,046	11,7	2,2	q
34	0,7993	0,047	-1,1	-0,3	s
35	0,774			-0,5	s
38	0,837	0,139	0,2	0,1	s
40	0,776	0,116	-0,9	-0,5	s
43	0,905			0,7	s
45	0,858	0,107	0,6	0,3	s
46	0,767	0,077	-1,5	-0,6	s
47	0,821	0,164	-0,1	0,0	s
48	0,671	0,008	-27,6	-1,5	s
49	0,633	0,158	-2,4	-1,8	s
54	0,79	0,103	-0,7	-0,3	s
55	0,576	0,144	-3,5	-2,4	q
60	0,682			-1,4	s
61	0,853			0,2	s
66	0,728	0,218	-0,9	-0,9	s
70	0,519	0,156	-3,9	-2,9	q
71	0,794	0,199	-0,3	-0,3	s
72	0,778	0,012	-6,7	-0,5	s
77	0,703	0,282	-0,9	-1,2	s
83	0,743	0,178	-0,9	-0,8	s
86	0,8	0,184	-0,3	-0,2	s
91	0,85			0,2	s
92	0,837			0,1	s

* The stated uncertainty of the assigned value is the expanded uncertainty with a coverage factor $k=2$ corresponding to a confidence level of about 95%

** s = satisfactory, q = questionable, u = unsatisfactory

